

PLOT SCALE - 1:50000

PLOTTED FROM - TRAB10100

STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED

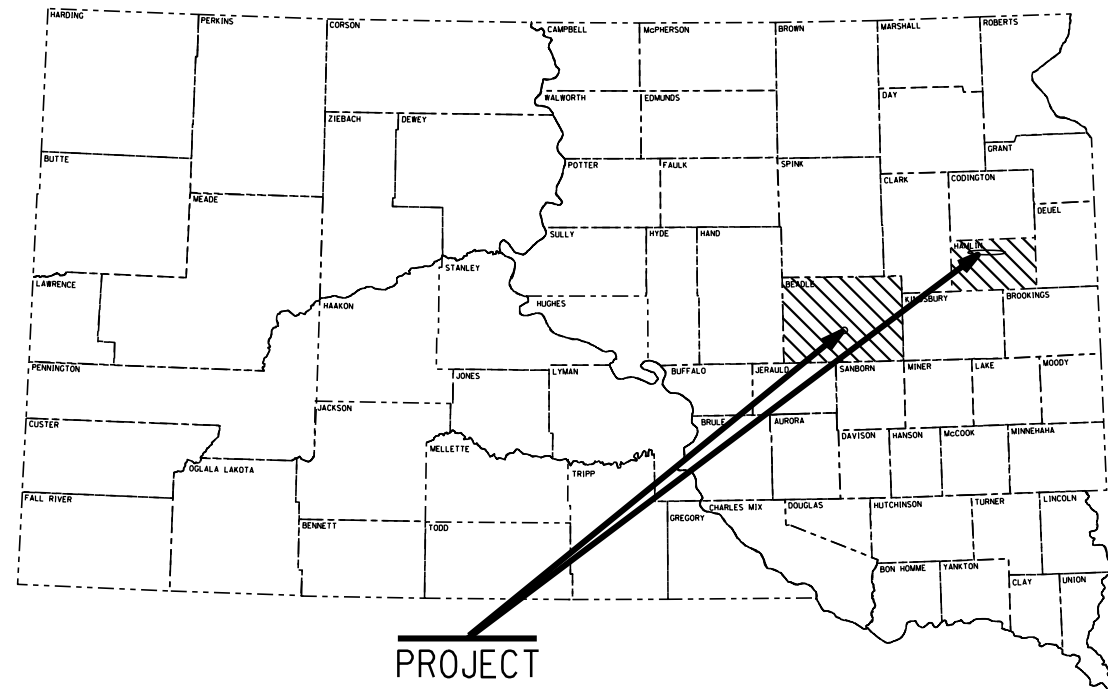
PROJECT PH 0010(103)
SD 37 & SD 22
BEADLE & HAMLIN
COUNTIES

PERMANENT SIGNING
PCN 04GX

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	PH 0010(103)	1	32
Plotting Date: 02/05/2016			

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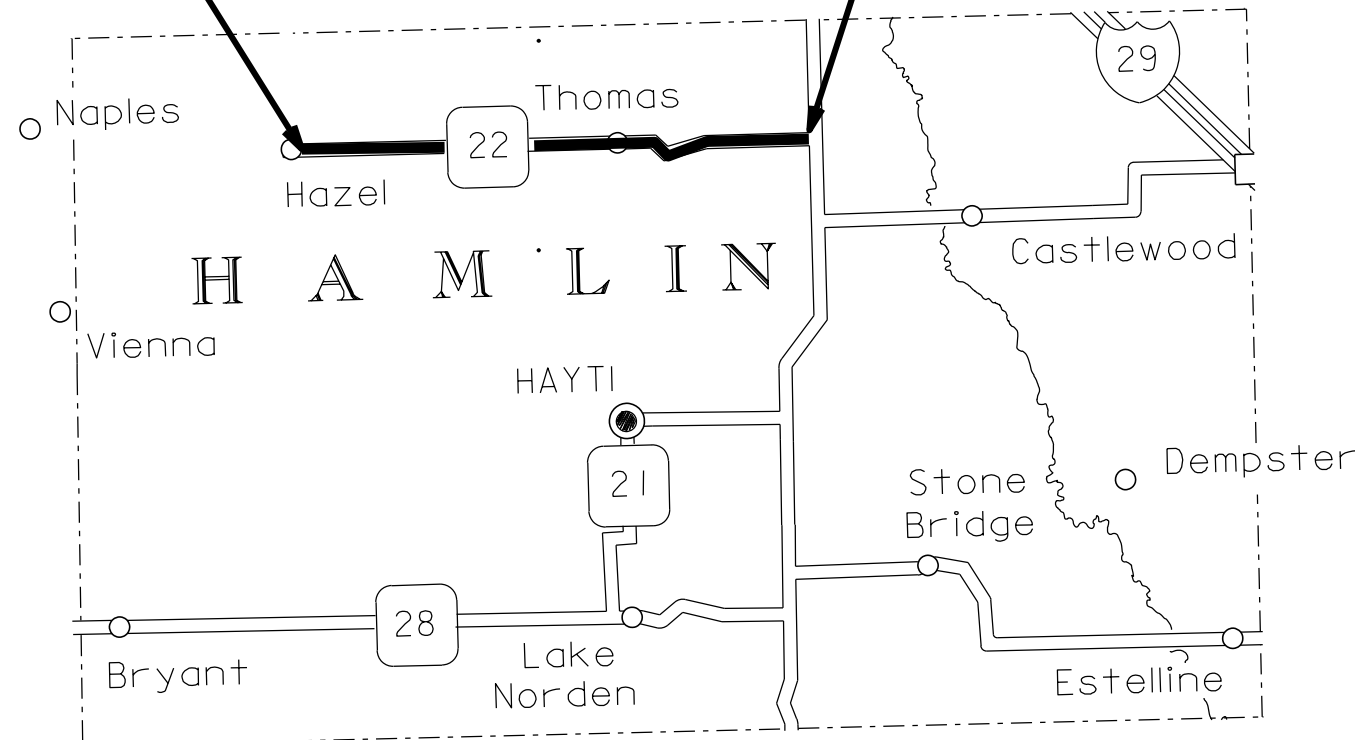


Begin Project
SD 22
MRM 333.38 + 0.000

End Project
SD 22
MRM 346.00 + 0.881

DESIGN DESIGNATION

ADT (2014) 658
ADT (2034) 793
DHV 88.8
D 53%
T DHV 6.3%
T ADT 13.9%
V 25 55 & 65 MPH



STORM WATER PERMIT
None Required

GROSS LENGTH	71285.28 FEET	13.501 MILES
LENGTH OF EXCEPTIONS	0.0 FEET	0.0 MILES
NET LENGTH	71285.28 FEET	13.501 MILES

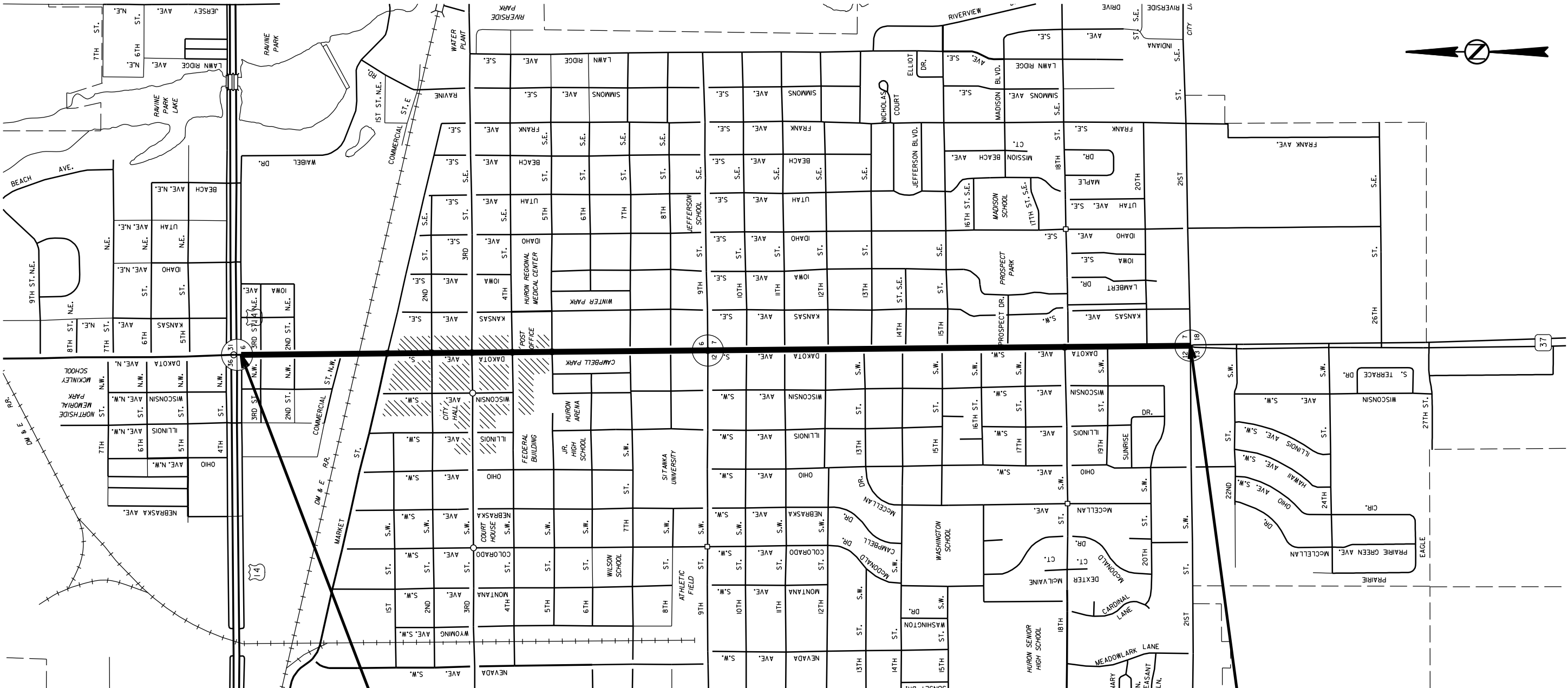
Huron map on next sheet

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FILE - ... \BEAD04GX\04GX_TITLE SHEET.DGN PLOT NAME - 1

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	PH 0010(103)	2	32
Plotting Date: 02/05/2016			

Huron Map



DESIGN DESIGNATION

ADT (2014)	11057
ADT (2034)	12660
DHV	1557.2
D	51%
T DHV	2.3%
T ADT	5.1%
V	30 & 35 MPH

End Project

SD 37

at US 14

MRM 127.00 + 0.664

GROSS LENGTH	10259.04 FEET	1.943MILES
LENGTH OF EXCEPTIONS	0.0 FEET	0.0MILES
NET LENGTH	10259.04 FEET	1.943MILES

Begin Project

SD 37

at 21st St.

MRM 125.71 + 0.011

ESTIMATE OF QUANTITIES

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	PH 0010(103)	3	32

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
110E0130	Remove Traffic Sign	160	Each
632E1320	2.0"x2.0" Perforated Tube Post	1,276.0	Ft
632E1340	2.5"x2.5" Perforated Tube Post	56.0	Ft
632E3203	Flat Aluminum Sign, Nonremovable Copy High Intensity	505.8	SqFt
632E3205	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity	595.0	SqFt
634E0010	Flagging	20.0	Hour
634E0110	Traffic Control Signs	202	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0285	Type 3 Barricade, 8' Double Sided	1	Each
634E0420	Type C Advance Warning Arrow Board	1	Each

SPECIFICATIONS

Standard Specifications for Roads and Bridges, 2015 Edition and Required Provisions, Supplemental Specifications, and Special Provisions as included in the Proposal.

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STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	PH 0010(103)	4	32

ENVIRONMENTAL COMMITMENTS

ENVIRONMENTAL COMMITMENTS

An Environmental Commitment is a measure that SDDOT commits to implement in order to avoid, minimize, and/or mitigate a real or potential environmental impact. Environmental commitments to various agencies and the public have been made to secure approval of this project. An agency mentioned below with permitting authority can influence a project if perceived environmental impacts have not been adequately addressed. Unless otherwise designated, the Contractor's primary contact regarding matters associated with these commitments will be the Project Engineer. These environmental commitments are not subject to change without prior written approval from the SDDOT Environmental Office. The environmental commitments associated with this project are as follows:

COMMITMENT B: FEDERALLY THREATENED, ENDANGERED, AND PROTECTED SPECIES

COMMITMENT B2: WHOOPING CRANE

The Whooping Crane is a spring and fall migratory bird in South Dakota that is about 5 feet tall and typically stops on wetlands, rivers, and agricultural lands along their migration route. An adult Whooping Crane is white with a red crown and a long, dark, pointed bill. Immature Whooping Cranes are cinnamon brown. While in flight, their long necks are kept straight and their long dark legs trail behind. Adult Whooping Cranes' black wing tips are visible during flight.

Action Taken/Required:

Harassment or other measures to cause the Whooping Crane to leave the site is a violation of the Endangered Species Act. If a Whooping Crane is sighted roosting in the vicinity of the project, borrow pit, or staging site associated with the project, cease construction activities in the affected area until the Whooping Crane departs and contact the Project Engineer. The Project Engineer will contact the Environmental Office so that the sighting can be reported to USFWS.

COMMITMENT E: STORM WATER

Construction activities constitute less than 1 acre of disturbance.

Action Taken/Required:

At a minimum and regardless of project size, appropriate erosion and sediment control measures must be installed to control the discharge of pollutants from the construction site.

COMMITMENT H: WASTE DISPOSAL SITE

The Contractor shall furnish a site(s) for the disposal of construction and/or demolition debris generated by this project.

Action Taken/Required:

Construction and/or demolition debris may not be disposed of within the Public ROW.

The waste disposal site(s) shall be managed and reclaimed in accordance with the following from the General Permit for Highway, Road, and Railway Construction/Demolition Debris Disposal Under the South Dakota Waste Management Program issued by the Department of Environment and Natural Resources.

The waste disposal site(s) shall not be located in a wetland, within 200 feet of surface water, or in an area that adversely affects wildlife, recreation, aesthetic value of an area, or any threatened or endangered species, as approved by the Project Engineer.

If the waste disposal site(s) is located such that it is within view of any ROW, the following additional requirements shall apply:

- Construction and/or demolition debris consisting of concrete, asphalt concrete, or other similar materials shall be buried in a trench completely separate from wood debris. The final cover over the construction and/or demolition debris shall consist of a minimum of 1 foot of soil capable of supporting vegetation. Waste disposal sites provided outside of the Public ROW shall be seeded in accordance with Natural Resources Conservation Service recommendations. The seeding recommendations may be obtained through the appropriate County NRCS Office. The Contractor shall control the access to waste disposal sites not within the Public ROW through the use of fences, gates, and placement of a sign or signs at the entrance to the site stating "No Dumping Allowed".
- Concrete and asphalt concrete debris may be stockpiled within view of the ROW for a period of time not to exceed the duration of the project. Prior to project completion, the waste shall be removed from view of the ROW or buried and the waste disposal site reclaimed as noted above.

The above requirements will not apply to waste disposal sites that are covered by an individual solid waste permit as specified in SDCL 34A-6-58, SDCL 34A-6-1.13, and ARSD 74:27:10:06.

Failure to comply with the requirements stated above may result in civil penalties in accordance with South Dakota Solid Waste Law, SDCL 34A-6-1.31.

All costs associated with furnishing waste disposal site(s), disposing of waste, maintaining control of access (fence, gates, and signs), and reclamation of the waste disposal site(s) shall be incidental to the various contract items.

COMMITMENT I: HISTORICAL PRESERVATION OFFICE CLEARANCES

The SDDOT has obtained concurrence with the State Historical Preservation Office (SHPO or THPO) for all work included within the project limits and all department designated sources and designated option material sources, stockpile sites, storage areas, and waste sites provided within the plans.

Action Taken/Required:

All earth disturbing activities not designated within the plans require review of cultural resources impacts. This work includes, but is not limited to: staging areas, borrow sites, waste disposal sites, and all material processing sites.

The Contractor shall arrange and pay for a cultural resource survey and/or records search. The Contractor has the option to contact the state Archaeological Research Center (ARC) at 605-394-1936 or another qualified archaeologist, to obtain either a records search or a cultural resources survey. A record search might be sufficient for review; however, a cultural resources survey may need to be conducted by a qualified archaeologist.

The Contractor shall provide ARC with the following: a topographical map or aerial view on which the site is clearly outlined, site dimensions, project number, and PCN. If applicable, provide evidence that the site has been previously disturbed by farming, mining, or construction activities with a landowner statement that artifacts have not been found on the site.

The Contractor shall submit the records search or cultural resources survey report and if the location of the site is within the current geographical or historic boundaries of any South Dakota reservation to SDDOT Environmental Engineer, 700 East Broadway Avenue, Pierre, SD 57501-2586 (605-773-3180). SDDOT will submit the information to the appropriate SHPO/THPO. Allow **30 Days** from the date this information is submitted to the Environmental Engineer for SHPO/THPO review.

If evidence for cultural resources is uncovered during project construction activities, then such activities shall cease and the Project Engineer shall be immediately notified. The Project Engineer will contact the SDDOT Environmental Engineer in order to determine an appropriate course of action.

SHPO/THPO review does not relieve the Contractor of the responsibility for obtaining any additional permits and clearances for staging areas, borrow sites, waste disposal sites, or material processing sites that affect wetlands, threatened and endangered species, or waterways. The Contractor shall provide the required permits and clearances to the Project Engineer at the preconstruction meeting.

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													STATE OF SOUTH DAKOTA	PROJECT PH 0010(103)	SHEET NO. 5	TOTAL SHEETS 32
Corridor Signing Permanent Sign Installation Table for SD 37 in Huron from 21st St. to US 14																
MRM + Displacement	Side of Road	Description	Sign Code	Width (Inches)	Height (Inches)	Flat Aluminum Sign, Nonremovable Copy High Intensity (SqFt)	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity (SqFt)	2.0"x2.0" Perforated Tube Post 12 Ga. (Ft)	(N.A.B.I.) Square Tube Anchor Sleeve (Each)	Remove Traffic Sign (Each)	Direction Sign Faces	Current Type of Post	Remarks			
125.71 + 0.011	Rt.	No Thru Trucks								1	S	Signal Pole	Remove This Sign. Do Not Replace			
125.71 + 0.037	Lt.	End Plaque	R3-9dP	30	12	2.5				1	N	Light Pole	Replace Existing Signs with New Signs on Light Pole			
		Center Turn Lane	R3-9b	24	36	6.0					N					
125.71 + 0.069	Rt.	Begin Plaque	R3-9cP	30	12	2.5				1	S	Light Pole	Replace Existing Signs with New Signs on Light Pole			
		Center Turn Lane	R3-9b	24	36	6.0					S					
125.71 + 0.089	Rt.	Stop	R1-1	30	30		5.2			1	E	Telespar	Replace Existing Sign with New Sign on Existing Post. Do Not Disturb Street Signs.			
125.71 + 0.096	Lt.	Divided Highway Begins Symbol	W6-1	36	36		9.0	11	1	1	N	4" X 6" Wood	Replace Existing Sign with New Sign on New Post			
125.71 + 0.106	Rt.	Speed Limit 35 MPH	R2-1	24	30	5.0				1	S	Light Pole	Replace Existing Sign with New Sign on Light Pole			
125.71 + 0.169	Lt.	Stop	R1-1	30	30		5.2			1	W	Telespar	Replace Existing Sign with New Sign on Existing Post.			
125.71 + 0.220	Rt.	Center Turn Lane	R3-9b	24	36	6.0				1	S	Light Pole	Replace Existing Sign with New Sign on Light Pole			
125.71 + 0.295	Rt.	No Parking Symbol	R8-3A	24	24	4.0		10	1	1	S	U-Channel	Replace Existing Sign with New Sign on New Post			
126.00 + 0.022	Lt.	No Parking Symbol	R8-3A	24	24	4.0				1	N	Light Pole	Replace Existing Sign with New Sign on Light Pole			
126.00 + 0.033	Lt.	Stop	R1-1	30	30		5.2			1	W	Telespar	Replace Existing Sign with New Sign on Existing Post.			
126.00 + 0.065	Lt.	Center Turn Lane	R3-9b	24	36	6.0		11	1	1	N	U-Channel	Replace Existing Sign with New Sign on New Post			
126.00 + 0.073	Rt.	Stop	R1-1	30	30		5.2	11	1	1	E	Telespar	Replace Existing Sign with New Sign on New Post			
126.00 + 0.095	Rt.	Speed Limit 35 MPH	R2-1	24	30	5.0				1	S	Light Pole	Replace Existing Sign with New Sign on Light Pole			
126.00 + 0.123	Lt.	Stop	R1-1	30	30		5.2			1	W	Telespar	Replace Existing Sign with New Sign on Existing Post.			
126.00 + 0.155	Rt.	Center Turn Lane	R3-9b	24	36	6.0				1	S	Light Pole	Replace Existing Sign with New Sign on Light Pole			
126.00 + 0.167	Lt.	Speed Limit 35 MPH	R2-1	24	30	5.0		10	1	1	N	U-Channel	Replace Existing Sign with New Sign on New Post			
		No Parking Symbol									N		Remove This Sign. Do Not Replace			
126.00 + 0.203	Rt.	Stop	R1-1	30	30		5.2			1	E	Telespar	Replace Existing Sign with New Sign on Existing Post.			
126.00 + 0.210	Lt.	Stop	R1-1	30	30		5.2			1	W	Telespar	Replace Existing Sign with New Sign on Existing Post.			

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													STATE OF SOUTH DAKOTA	PROJECT PH 0010(103)	SHEET NO. 6	TOTAL SHEETS 32
Corridor Signing Permanent Sign Installation Table for SD 37 in Huron from 21st St. to US 14																
MRM + Displacement	Side of Road	Description	Sign Code	Width (Inches)	Height (Inches)	Flat Aluminum Sign, Nonremovable Copy High Intensity (SqFt)	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity (SqFt)	2.0"x2.0" Perforated Tube Post 12 Ga. (Ft)	(N.A.B.I.) Square Tube Anchor Sleeve (Each)	Remove Traffic Sign (Each)	Direction Sign Faces	Current Type of Post	Remarks			
126.00 + 0.222	Rt.	No Parking Symbol	R8-3A	24	24	4.0		10	1	1	S	Telespar	Replace Existing Sign with New Sign on New Post			
126.00 + 0.257	Rt.	No Parking Symbol								1	S	4" X 6" Wood	Remove This Sign. Do Not Replace			
126.00 + 0.260	Lt.	No Parking Symbol	R8-3A	24	24	4.0		10	1	1	N	U-Channel	Replace Existing Sign with New Sign on New Post			
126.00 + 0.307	Rt.	No Parking Symbol								1	S	Telespar	Remove This Sign. Do Not Replace			
126.00 + 0.346	Rt.	Slippery When Wet Symbol	W8-5	36	36		9.0	26	2	1	S	Telespar	Replace Existing Signs with New Signs on New Post			
		Next 2 Miles	W16-3P	30	24		5.0				S					
126.00 + 0.363	Rt.	Stop	R1-1	30	30		5.2			1	E	Telespar	Replace Existing Sign with New Sign on Existing Post. Do Not Disturb Street Signs.			
126.00 + 0.373	Lt.	Stop	R1-1	30	30		5.2			1	W	Telespar	Replace Existing Sign with New Sign on Existing Post.			
126.00 + 0.402	Lt.	Speed Limit 35 MPH	R2-1	24	30	5.0		10	1	1	N	U-Channel	Replace Existing Sign with New Sign on New Post			
126.00 + 0.412	Rt.	Speed Limit 30 MPH	R2-1	24	30	5.0				1	S	Light Pole	Replace Existing Sign with New Sign on Light Pole			
126.00 + 0.442	Lt.	Center Turn Lane	R3-9b	24	36	6.0				1	N	Light Pole	Replace Existing Sign with New Sign on Light Pole			
126.00 + 0.453	Rt.	Stop	R1-1	30	30		5.2			1	E	Telespar	Replace Existing Sign with New Sign on Existing Post.			
126.00 + 0.459	Lt.	Stop	R1-1	30	30		5.2			1	W	Telespar	Replace Existing Sign with New Sign on Existing Post. Do Not Disturb Street Signs.			
126.00 + 0.490	Rt.	Center Turn Lane	R3-9b	24	36	6.0				1	S	Light Pole	Replace Existing Sign with New Sign on Light Pole			
		No Parking Symbol									S		Remove This Sign. Do Not Replace			
126.00 + 0.523	Lt.	No Parking Symbol	R8-3A	24	24	4.0				1	N	Light Pole	Replace Existing Sign with New Sign on Light Pole			
126.00 + 0.533	Lt.	Stop	R1-1	30	30		5.2			1	W	Light Pole	Replace Existing Sign with New Sign on Light Pole			
126.00 + 0.543	Rt.	Stop	R1-1	30	30		5.2			1	E	Telespar	Replace Existing Sign with New Sign on Existing Post. Do Not Disturb Street Signs.			
126.00 + 0.572	Rt.	No Parking Symbol	R8-3A	24	24	4.0				1	S	Light Pole	Replace Existing Sign with New Sign on Light Pole			
126.00 + 0.613	Lt.	Speed Limit 30 MPH	R2-1	24	30	5.0				1	N	Light Pole	Replace Existing Signs with New Signs on Light Pole			
		No Parking Symbol	R8-3A	24	24	4.0					N					

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													STATE OF SOUTH DAKOTA	PROJECT PH 0010(103)	SHEET NO. 7	TOTAL SHEETS 32
Corridor Signing Permanent Sign Installation Table for SD 37 in Huron from 21st St. to US 14																
MRM + Displacement	Side of Road	Description	Sign Code	Width (Inches)	Height (Inches)	Flat Aluminum Sign, Nonremovable Copy High Intensity (SqFt)	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity (SqFt)	2.0"x2.0" Perforated Tube Post 12 Ga. (Ft)	(N.A.B.I.) Square Tube Anchor Sleeve (Each)	Remove Traffic Sign (Each)	Direction Sign Faces	Current Type of Post	Remarks			
126.00 + 0.620	Lt.	Stop	R1-1	30	30		5.2			1	W	Telespar	Replace Existing Sign with New Sign on Existing Post. Do Not Disturb Street Signs.			
126.00 + 0.625	Rt.	Stop	R1-1	30	30		5.2			1	E	Telespar	Replace Existing Sign with New Sign on Existing Post. Do Not Disturb Street Signs.			
126.00 + 0.658	Rt.	Speed Limit 30 MPH	R2-1	24	30	5.0				1	S	Light Pole	Replace Existing Signs with New Signs on Light Pole			
		No Parking Symbol	R8-3A	24	24	4.0					S					
126.00 + 0.756	Lt.	Center Turn Lane	R3-9b	24	36	6.0				1	N	Light Pole	Replace Existing Sign with New Sign on Light Pole			
		No Parking Symbol									N		Remove This Sign. Do Not Replace			
126.00 + 0.780	Lt.	Stop	R1-1	30	30		5.2			1	W	Telespar	Replace Existing Sign with New Sign on Existing Post. Do Not Disturb Street Signs.			
126.00 + 0.785	Rt.	Stop	R1-1	30	30		5.2	10	1	1	E	U-Channel	Replace Existing Sign with New Sign on New Post. Reset Street Signs on Top of Stop Sign.			
126.00 + 0.801	Rt.	Center Turn Lane	R3-9b	24	36	6.0				1	S	Light Pole	Replace Existing Sign with New Sign on Light Pole			
		No Parking Symbol									S		Remove This Sign. Do Not Replace			
126.00 + 0.840	Lt.	No Parking Symbol	R8-3A	24	24	4.0				1	N	Light Pole	Replace Existing Sign with New Sign on Light Pole			
126.00 + 0.863	Lt.	Stop	R1-1	30	30		5.2			1	W	Telespar	Replace Existing Sign with New Sign on Existing Post. Do Not Disturb Street Signs.			
126.00 + 0.870	Rt.	Stop	R1-1	30	30		5.2			1	E	Telespar	Replace Existing Sign with New Sign on Existing Post. Do Not Disturb Street Signs.			
126.00 + 0.892	Rt.	Speed Limit 30 MPH	R2-1	24	30	5.0				1	S	Light Pole	Replace Existing Signs with New Signs on Light Pole			
		No Parking Symbol	R8-3A	24	24	4.0					S					
126.00 + 0.936	Lt.	Speed Limit 30 MPH	R2-1	24	30	5.0				1	N	Light Pole	Replace Existing Signs with New Signs on Light Pole			
		No Parking Symbol	R8-3A	24	24	4.0					N					
126.00 + 0.985	Rt.	Arena <---		36	24	6.0				1	S	Light Pole	Replace Existing Sign with New Sign on Light Pole			
		No Parking Symbol									S		Remove This Sign. Do Not Replace			

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													STATE OF SOUTH DAKOTA	PROJECT PH 0010(103)	SHEET NO. 8	TOTAL SHEETS 32
Corridor Signing Permanent Sign Installation Table for SD 37 in Huron from 21st St. to US 14																
MRM + Displacement	Side of Road	Description	Sign Code	Width (Inches)	Height (Inches)	Flat Aluminum Sign, Nonremovable Copy High Intensity (SqFt)	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity (SqFt)	2.0"x2.0" Perforated Tube Post 12 Ga. (Ft)	(N.A.B.I.) Square Tube Anchor Sleeve (Each)	Remove Traffic Sign (Each)	Direction Sign Faces	Current Type of Post	Remarks			
127.00 + 0.002	Lt.	Begin Plaque	R3-9cP	30	12	2.5		12	1	1	N	U-Channel	Replace Existing Signs with New Signs on New Post			
		Center Turn Lane	R3-9b	24	36	6.0					N					
127.00 + 0.002	Rt.	End Plaque	R3-9dP	30	12	2.5		12	1	1	S	Telespar	Replace Existing Signs with New Signs on New Post. Reset MRM,			
		Center Turn Lane	R3-9b	24	36	6.0					S					
127.00 + 0.088	Mast Arm	Hospital Symbol	D9-2	30	30	6.3				1	N	Mast Arm	Replace Existing Signing with New Signs on Mast Arm			
		Horizontal Left Arrow	M6-1L	30	21	4.4					N					
127.00 + 0.103	Mast Arm	Hospital Symbol	D9-2	30	30	6.3				1	S	Mast Arm	Replace Existing Signing with New Signs on Mast Arm			
		Horizontal Right Arrow	M6-1R	30	21	4.4					S					
127.00 + 0.254	Lt.	Stop	R1-1	30	30		5.2			1	W	Telespar	Replace Existing Sign with New Sign on Existing Post.			
127.00 + 0.262	Rt.	Stop	R1-1	30	30		5.2			1	E	Telespar	Replace Existing Sign with New Sign on Existing Post.			
127.00 + 0.381	Rt.	Center Turn Lane								1	S	Light Pole	Remove This Sign. Do Not Replace			
		No Parking Symbol									S		Remove This Sign. Do Not Replace			
127.00 + 0.386	Rt.	Railroad Advance Warning	W10-1	36	36		7.1	11	1	1	S	Light Pole	Replace Existing Sign at 127.00 + 0.363 with New Sign on New Post at 127.00 + 0.386 within Length of RR Crossing Pavement Markings			
127.00 + 0.434	Rt.	Speed Limit 30 MPH	R2-1	24	30	5.0				1	S	Light Pole	Replace Existing Signs with New Signs on Light Pole			
		No Parking Symbol	R8-3A	24	24	4.0					S					
127.00 + 0.444	Lt.	Railroad Advance Warning	W10-1	36	36		7.1	11	1	1	N	4" X 6" Wood	Replace Existing Sign at 127.00 + 0.530 with New Sign on New Post at 127.00 + 0.444 within Length of RR Crossing Pavement Markings			
127.00 + 0.456	Lt.	Stop	R1-1	30	30		5.2			1	NW	Telespar	Replace Existing Sign with New Sign on Existing Post.			
127.00 + 0.494	Rt.	No Parking Symbol								1	S	Light Pole	Remove This Sign. Do Not Replace			

PLOTTED FROM - TRAB10100

													STATE OF SOUTH DAKOTA	PROJECT PH 0010(103)	SHEET NO. 9	TOTAL SHEETS 32
Corridor Signing Permanent Sign Installation Table for SD 37 in Huron from 21st St. to US 14																
MRM + Displacement	Side of Road	Description	Sign Code	Width (Inches)	Height (Inches)	Flat Aluminum Sign, Nonremovable Copy High Intensity (SqFt)	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity (SqFt)	2.0"x2.0" Perforated Tube Post 12 Ga. (Ft)	(N.A.B.I.) Square Tube Anchor Sleeve (Each)	Remove Traffic Sign (Each)	Direction Sign Faces	Current Type of Post	Remarks			
127.00 + 0 .494	Rt.	Center Turn Lane	R3-9b	24	36	6.0					S		Install New Sign on Light Pole			
127.00 + 0.526	Lt.	Center Turn Lane	R3-9b	24	36	6.0				1	N	Light Pole	Replace Existing Sign with New Sign on Light Pole			
127.00 + 0.558	Lt.	Stop	R1-1	30	30		5.2			1	W	Light Pole	Replace Existing Sign with New Sign on Light Pole.			
127.00 + 0.564	Rt.	Stop	R1-1	30	30		5.2			1	E	Telespar	Replace Existing Sign with New Sign on Existing Post. Do Not Disturb Street Signs.			
127.00 + 0.574	Rt.	Junction	M2-1	21	15	2.2				1	S	Light Pole	Replace Existing Signs with New Signs on Light Pole			
		US 14	M1-4	24	24	4.0			S							
127.00 + 0.604	Lt.	Speed Limit 30 MPH	R2-1	24	30	5.0					N		New Sign Install. Band to Light Pole			
127.00 + 0.621	Rt.	To 212 / Miller / De Smet	D1-3	66	48	22.0		26	2	1	S	4" X 6" Wood	Replace Existing Sign with New Sign on New Post			
127.00 + 0.624	Lt.	Stop	R1-1	30	30		5.2			1	W	Telespar	Replace Existing Sign with New Sign on Existing Post. Do Not Disturb Street Signs.			
127.00 + 0.630	Rt.	Stop	R1-1	30	30		5.2			1	E	Telespar	Replace Existing Sign with New Sign on Existing Post. Do Not Disturb Street Signs.			
127.00 + 0.633	Rt.	No Parking Symbol	R8-3A	24	24	4.0				1	S	Light Pole	Replace Existing Sign with New Sign on Light Pole			
127.00 + 0.663	Lt.	South	M3-3	24	12	2.0		11	1	1	N	Telespar	Replace Existing Signs with New Signs on New Post			
		SD 37	M1-5	24	24	4.0					N					
		No Parking Symbol											N	Remove This Sign. Do Not Replace		
127.00 + 0.664	Lt.	Speed Limit 30 MPH								1	N	Light Pole	Remove This Sign. Do Not Replace			
		No Thru Trucks									N		Remove This Sign. Do Not Replace			
					TOTAL	256.4	172.4	202.0	18	72						

Corridor Signing Sign Summary for SD 37

Sign Code	Description	Width (Inches)	Height (Inches)	Sq. Ft.	Quantity	Flat Aluminum Sign, Nonremovable Copy High Intensity (SQFT)	Flat Aluminum Sign, Nonremovable Copy Super or Very High Intensity (SQFT)	Text / Background
	Arena <---	36	24	6.0	1	6.0		White on Green
D1-3	To 212 / Miller / De Smet	66	48	22.0	1	22.0		White on Green
D9-2	Hospital Symbol	30	30	6.3	2	12.5		White on Blue
M1-4	US 14	24	24	4.0	1	4.0		Black on White
M1-5	SD 37	24	24	4.0	1	4.0		See Standard Plate 632.20
M2-1	Junction Marker	21	15	2.2	1	2.2		Black on White
M3-3	South	24	12	2.0	1	2.0		Black on White, Green Border
M6-1L	Horizontal Single Arrow (Left)	30	21	4.4	1	4.4		White on Blue
M6-1R	Horizontal Single Arrow (Right)	30	21	4.4	1	4.4		White on Blue
R1-1	Stop	30	30	5.2	26		135.2	White on Red
R2-1	Speed Limit 30 mph	24	30	5.0	7	35.0		Black on White
R2-1	Speed Limit 35 mph	24	30	5.0	4	20.0		Black on White
R3-9b	Center Turn Lane	24	36	6.0	13	78.0		Black on White
R3-9cP	Begin Plaque	30	12	2.5	2	5.0		Black on White
R3-9b	End Plaque	30	12	2.5	2	5.0		Black on White
R8-3A	No Parking Symbol	24	24	4.0	13	52.0		Black on White
W10-1	Railroad Advance Warning	36	36	7.1	2		14.2	Black on Fluorescent Yellow
W16-3P	Next 2 Miles	30	24	5.0	1		5.0	Black on Fluorescent Yellow
W6-1	Divided Highway Begins Symbol	36	36	9.0	1		9.0	Black on Fluorescent Yellow
W8-5	Slipper When Wet Symbol	36	36	9.0	1		9.0	Black on Fluorescent Yellow
					Totals	256.4	172.4	

PLOTTED FROM - TRAB10100

															<div> <div>STATE OF SOUTH DAKOTA</div> <div>PROJECT</div> <div>PH 0010(103)</div> </div>	<div> <div>SHEET NO.</div> <div>11</div> </div>	<div> <div>TOTAL SHEETS</div> <div>32</div> </div>
Corridor Signing Permanent Sign Installation Table for SD 22 from Hazel to US 81																	
MRM + Displacement	Side of Road	Description	Sign Code	Width (Inches)	Height (Inches)	Flat Aluminum Sign, Nonremovable Copy High Intensity (SqFt)	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity (SqFt)	2.0"x2.0" Perforated Tube Post 12 Ga. (Ft)	2.5"x2.5" Perforated Tube Post 10 Ga. (Ft)	(N.A.B.I.) Square Tube Anchor Sleeve (Each)	(N.A.B.I.) 48" Winged Slip Base Anchor (Each)	Remove Traffic Sign (Each)	Direction Sign Faces	Current Type of Post	Remarks		
333.38 + 0.000	Rt.	Stop	R1-1	36	36		7.5	11		1		1	W	Telespar	Replace Existing Signs with New Signs on New Post		
		All Way Plaque	R1-3P	18	6		0.8						W				
333.38 + 0.000	Lt.	End	M4-6	24	12	2.0		11		1		1	E	4" X 6" Wood	Replace Existing Signs with New Signs on New Post		
		SD 22	M1-5	24	24	4.0							E				
333.38 + 0.000	Rt.	SD 22	M1-5	24	24	4.0		11		1		1	N	4" X 6" Wood	Replace Existing Signs with New Signs on New Post		
		Horizontal Left Arrow	M6-1L	21	15	2.2							N				
333.38 + 0.000	Lt.	Stop	R1-1	36	36		7.5	11		1		1	N	4" X 6" Wood	Replace Existing Signs with New Signs on New Post		
		All Way Plaque	R1-3P	18	6		0.8						N				
333.38 + 0.003	Rt.	Stop	R1-1	36	36		7.5	11		1		1	S	4" X 6" Wood	Replace Existing Signs with New Signs on New Post		
		All Way Plaque	R1-3P	18	6		0.8						S				
333.38 + 0.006	Lt.	Stop	R1-1	36	36		7.5	11		1		1	E	Telespar	Replace Existing Signs with New Signs on New Post		
		All Way Plaque	R1-3P	18	6		0.8						E				
333.38 + 0.029	Rt.	East	M3-2	24	12	2.0		11		1		1	W	4" X 6" Wood	Replace Existing Signs with New Signs on New Post		
		SD 22	M1-5	24	24	4.0							W				
333.40 + 0.063	Lt.	Stop Ahead	W3-1	30	30		6.3	11		1		1	E	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
333.40 + 0.147	Rt.	Railroad Advance Warning	W10-1	36	36		7.1	11		1		1	W	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
333.40 + 0.201	Lt.	Railroad Advance Warning	W10-1	36	36		7.1	11		1		1	E	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
333.40 + 0.218	Lt.	Hazel	D1-1D	36	18	4.5		10		1		1	E	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
333.40 + 0.241	Rt.	Speed Limit 65 MPH	R2-1	24	30	5.0		10		1		1	W	4" X 6" Wood	Replace Existing Sign at 333.40 + 0.227 with New Sign on New Post at 333.40 + 0.241		
333.40 + 0.241	Lt.	Speed Limit 25 MPH	R2-1	24	30	5.0		10		1		1	E	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
333.40 + 0.267	Rt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	E	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
333.40 + 0.320	Rt.	East	M3-2	24	12	2.0		11		1		1	W	4" X 6" Wood	Replace Existing Signs with New Signs on New Post		
		SD 22	M1-5	24	24	4.0							W				
333.40 + 0.394	Lt.	Speed Reduction Ahead 25 MPH	W3-5	36	36		9.0	12		1		1	E	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		

PLOTTED FROM - TRAB10100

															<div> <div>STATE OF SOUTH DAKOTA</div> <div>PROJECT</div> <div>PH 0010(103)</div> </div> <div> <div>SHEET NO.</div> <div>12</div> </div> <div> <div>TOTAL SHEETS</div> <div>32</div> </div>
Corridor Signing Permanent Sign Installation Table for SD 22 from Hazel to US 81															
MRM + Displacement	Side of Road	Description	Sign Code	Width (Inches)	Height (Inches)	Flat Aluminum Sign, Nonremovable Copy High Intensity (SqFt)	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity (SqFt)	2.0"x2.0" Perforated Tube Post 12 Ga. (Ft)	2.5"x2.5" Perforated Tube Post 10 Ga. (Ft)	(N.A.B.I.) Square Tube Anchor Sleeve (Each)	(N.A.B.I.) 48" Winged Slip Base Anchor (Each)	Remove Traffic Sign (Each)	Direction Sign Faces	Current Type of Post	Remarks
333.40 + 0.473	Lt.	Stop	R1-1	30	30		5.2	10		1		1	N	4" X 6" Wood	Replace Existing Sign with New Sign on New Post
333.40 + 0.480	Rt.	Stop	R1-1	30	30		5.2	10		1		1	S	4" X 6" Wood	Replace Existing Sign with New Sign on New Post
334.00 + 0.125	Lt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	W	4" X 6" Wood	Replace Existing Sign with New Sign on New Post
334.00 + 0.458	Rt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	E	4" X 6" Wood	Replace Existing Sign with New Sign on New Post
334.00 + 0.844	Lt.	Stop	R1-1	30	30		5.2	10		1		1	N	4" X 6" Wood	Replace Existing Sign with New Sign on New Post
334.00 + 0.849	Rt.	Stop	R1-1	30	30		5.2	10		1		1	S	4" X 6" Wood	Replace Existing Sign with New Sign on New Post
334.00 + 0.972	Lt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	W	4" X 6" Wood	Replace Existing Sign with New Sign on New Post
335.00 + 0.383	Rt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	E	4" X 6" Wood	Replace Existing Sign with New Sign on New Post
335.00 + 0.863	Lt.	Stop	R1-1	30	30		5.2	10		1		1	N	4" X 6" Wood	Replace Existing Sign with New Sign on New Post
335.00 + 0.865	Rt.	Two-Direction Arrow	W1-7	48	24		8.0	10		1			N		New Sign Install.
336.00 + 0.849	Rt.	Stop	R1-1	30	30		5.2	10		1		1	S	4" X 6" Wood	Replace Existing Sign with New Sign on New Post
337.00 + 0.324	Lt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	W	4" X 6" Wood	Replace Existing Sign with New Sign on New Post
337.00 + 0.641	Rt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	E	4" X 6" Wood	Replace Existing Sign with New Sign on New Post
337.00 + 0.729	Rt.	<--- Grover 4	D1-1AL	90	24	15.0		22		2		1	W	4" X 6" Wood	Replace Existing Sign with New Sign on New Post
337.00 + 0.767	Rt.	Hamlin Education Center 7 --->		78	60	32.5			28		2		W		Replace Existing Sign located at 337.00 + 0.729 with New Sign on New Post at 337.00 + 0.757
337.00 + 0.810	Lt.	Stop	R1-1	30	30		5.2	10		1		1	N	4" X 6" Wood	Replace Existing Sign with New Sign on New Post
337.00 + 0.819	Rt.	Stop	R1-1	30	30		5.2	10		1		1	S	4" X 6" Wood	Replace Existing Sign with New Sign on New Post
337.00 + 0.840	Rt.	East	M3-2	24	12	2.0		11		1		1	W	4" X 6" Wood	Replace Existing Signs with New Signs on New Post
		SD 22	M1-5	24	24	4.0							W		
337.00 + 0.861	Lt.	<--- Hamlin Education Center 7		78	60	32.5			28		2	1	E	4" X 6" Wood	Replace Existing Sign located at 337.00 + 0.899 with New Sign on New Post at 337.00 + 0.861
337.00 + 0.899	Lt.	Grover 4 --->	D1-1AR	90	24	15.0		22		2			E		Replace Existing Sign with New Sign on New Post
338.00 + 0.839	Lt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	W	4" X 6" Wood	Replace Existing Sign with New Sign on New Post

PLOTTED FROM - TRAB10100

															<div> <div>STATE OF SOUTH DAKOTA</div> <div>PROJECT</div> <div>PH 0010(103)</div> </div>	<div> <div>SHEET NO.</div> <div>13</div> </div>	<div> <div>TOTAL SHEETS</div> <div>32</div> </div>
Corridor Signing Permanent Sign Installation Table for SD 22 from Hazel to US 81																	
MRM + Displacement	Side of Road	Description	Sign Code	Width (Inches)	Height (Inches)	Flat Aluminum Sign, Nonremovable Copy High Intensity (SqFt)	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity (SqFt)	2.0"x2.0" Perforated Tube Post 12 Ga. (Ft)	2.5"x2.5" Perforated Tube Post 10 Ga. (Ft)	(N.A.B.I.) Square Tube Anchor Sleeve (Each)	(N.A.B.I.) 48" Winged Slip Base Anchor (Each)	Remove Traffic Sign (Each)	Direction Sign Faces	Current Type of Post	Remarks		
338.00 + 0.842	Lt.	Stop	R1-1	30	30		5.2	10		1		1	N	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
338.00 + 0.854	Rt.	Stop	R1-1	30	30		5.2	10		1		1	S	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
339.00 + 0.182	Rt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	E	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
339.00 + 0.846	Lt.	Stop	R1-1	30	30		5.2	10		1		1	N	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
339.00 + 0.851	Rt.	Stop	R1-1	30	30		5.2	10		1		1	S	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
339.00 + 0.931	Lt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	W	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
339.00 + 0.936	Lt.	West	M3-4	24	12	2.0		11		1			E		Replace Existing Signs Located at 339.00 + 0.931 with New Sign on New Post at 339.00 + 0.936 (About 25 Ft. East of the No Passing Zone)		
		SD 22	M1-5	24	24	4.0							E				
340.00 + 0.361	Rt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	E	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
340.00 + 0.529	Lt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	W	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
340.00 + 0.734	Lt.	Stop	R1-1	30	30		5.2	10		1		1	N	Telespar	Replace Existing Sign with New Sign on New Post		
340.00 + 0.739	Rt.	Stop	R1-1	30	30		5.2	10		1		1	S	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
340.00 + 0.926	Rt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	E	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
341.00 + 0.463	Rt.	Speed Reduction Ahead 55 MPH	W3-5	36	36		9.0	12		1		1	W	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
341.00 + 0.615	Rt.	Thomas	D1-1D	60	24	10.0		10		1		1	W	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
341.00 + 0.658	Lt.	Speed Limit 65 MPH	R2-1	24	30	5.0		10		1		1	E	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
341.00 + 0.660	Rt.	Speed Limit 55 MPH	R2-1	24	30	5.0		10		1		1	W	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
341.00 + 0.765	Lt.	Stop	R1-1	30	30		5.2	10		1		1	N	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
341.00 + 0.772	Rt.	Stop	R1-1	30	30		5.2	10		1		1	S	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
341.00 + 0.790	Rt.	East	M3-2	24	12	2.0		11		1		1	W	4" X 6" Wood	Replace Existing Signs with New Signs on New Post		
		SD 22	M1-5	24	24	4.0							W				
341.00 + 0.853	Lt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	W	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
341.00 + 0.922	Lt.	Thomas	D1-1D	60	24	10.0		10		1		1	E	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		

PLOTTED FROM - TAB10100

															<div> <div>STATE OF SOUTH DAKOTA</div> <div>PROJECT</div> <div>PH 0010(103)</div> </div>	<div> <div>SHEET NO.</div> <div>14</div> </div>	<div> <div>TOTAL SHEETS</div> <div>32</div> </div>
Corridor Signing Permanent Sign Installation Table for SD 22 from Hazel to US 81																	
MRM + Displacement	Side of Road	Description	Sign Code	Width (Inches)	Height (Inches)	Flat Aluminum Sign, Nonremovable Copy High Intensity (SqFt)	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity (SqFt)	2.0"x2.0" Perforated Tube Post 12 Ga. (Ft)	2.5"x2.5" Perforated Tube Post 10 Ga. (Ft)	(N.A.B.I.) Square Tube Anchor Sleeve (Each)	(N.A.B.I.) 48" Winged Slip Base Anchor (Each)	Remove Traffic Sign (Each)	Direction Sign Faces	Current Type of Post	Remarks		
342.00 + 0.126	Lt.	Speed Limit 55 MPH	R2-1	24	30	5.0		10		1		1	E	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
342.00 + 0.127	Rt.	Speed Limit 65 MPH	R2-1	24	30	5.0		10		1		1	W	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
342.00 + 0.187	Rt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	E	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
342.00 + 0.224	Lt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	W	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
342.00 + 0.325	Lt.	Speed Reduction Ahead 55 MPH	W3-5	36	36		9.0	12		1		1	E	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
342.00 + 0.425	Rt.	Right Curve	W1-2R	36	36		9.0	12		1		1	W	4" X 6" Wood	Replace Existing Sign Located at 342.00 + 0.323 with New Sign on New Post at 342.00 + 0.425 (Approximately 50 Ft. from Beginning of Curve).		
342.00 + 0.671	Lt.	Left Curve	W1-2L	36	36		9.0	12		1		1	SE	4" X 6" Wood	Replace Existing Sign Located at 342.00 + 0.737 with New Sign on New Post at 342.00 + 0.671 (Approximately 50 Ft. from Beginning of Curve).		
342.00 + 0.726	Lt.	Stop	R1-1	30	30		5.2	10		1		1	NE	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
342.00 + 0.756	Rt.	Left Curve	W1-2L	36	36		9.0	12		1		1	NW	4" X 6" Wood	Replace Existing Sign Located at 342.00 + 0.738 with New Sign on New Post at 342.00 + 0.756 (Approximately 25 Ft. Northwest of No Passing Zone Sign).		
342.00 + 0.761	Rt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	SE	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
342.00 + 0.840	Rt.	Stop	R1-1	30	30		5.2	10		1		1	S	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
343.00 + 0.094	Rt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	NE	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
343.00 + 0.126	Lt.	Right Curve	W1-2R	36	36		9.0	12		1		1	NE	4" X 6" Wood	Replace Existing Sign Located at 343.00 + 0.250 with New Sign on New Post at 343.00 + 0.126 (Approximately 50 Ft. from Beginning of Curve).		
343.00 + 0.643	Rt.	Right Curve	W1-2R	36	36		9.0	12		1			SW		New Sign Install. Install Approximately 50 Ft. from Beginning of Curve.		
343.00 + 0.810	Lt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	W	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
343.00 + 0.897	Rt.	Stop	R1-1	30	30		5.2	10		1		1	S	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
343.00 + 0.946	Lt.	Left Curve	W1-2L	36	36		9.0	12		1		1	E	4" X 6" Wood	Replace Existing Sign Located at 344.00 + 0.013 with New Sign on New Post at 343.00 + 0.946 (Approximately 125 Ft. East of Driveway)		
344.00 + 0.192	Rt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	E	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
344.00 + 0.231	Lt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	W	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
344.00 + 0.524	Rt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	E	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		

PLOTTED FROM - TRAB10100

															<div> <div>STATE OF SOUTH DAKOTA</div> <div>PROJECT</div> <div>PH 0010(103)</div> </div>	<div> <div>SHEET NO.</div> <div>15</div> </div>	<div> <div>TOTAL SHEETS</div> <div>32</div> </div>
Corridor Signing Permanent Sign Installation Table for SD 22 from Hazel to US 81																	
MRM + Displacement	Side of Road	Description	Sign Code	Width (Inches)	Height (Inches)	Flat Aluminum Sign, Nonremovable Copy High Intensity (SqFt)	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity (SqFt)	2.0"x2.0" Perforated Tube Post 12 Ga. (Ft)	2.5"x2.5" Perforated Tube Post 10 Ga. (Ft)	(N.A.B.I.) Square Tube Anchor Sleeve (Each)	(N.A.B.I.) 48" Winged Slip Base Anchor (Each)	Remove Traffic Sign (Each)	Direction Sign Faces	Current Type of Post	Remarks		
344.00 + 0.803	Lt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	W	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
345.00 + 0.195	Rt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	E	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
345.00 + 0.341	Lt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	W	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
345.00 + 0.737	Rt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	E	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
345.00 + 0.918	Rt.	Stop	R1-1	30	30		5.2	10		1		1	S	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
346.00 + 0.010	Lt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	W	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
	Lt.	West	M3-4	24	12	2.0		11		1			E		Replace Existing Signs Located at 346.00 + 0.010 with New Sign on New Post at 346.00 + 0.015 (About 25 Ft. East of the No Passing Zone)		
		SD 22	M1-5	24	24	4.0							E				
346.00 + 0.347	Rt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	E	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
346.00 + 0.609	Lt.	No Passing Zone	W14-3	48X48X36			5.6	12		1		1	W	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
346.00 + 0.731	Rt.	Stop Ahead	W3-1	30	30		6.3	11		1		1	W	4" X 6" Wood	Replace Existing Sign Located at 346.00 + 0.591 with New Sign on New Post at 346.00 + 0.731 (Approximately 800 ft. from Stop Sign at Intersection)		
346.00 + 0.739	Lt.	Thomas 5 / Hazel 13	D2-2	66	30	13.8		24		2		1	E	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
346.00 + 0.776	Rt.	Junction	M2-1	21	15	2.2		12		1		1	W	4" X 6" Wood	Replace Existing Signs Located at 346.00 + 0.667 with New Sign on New Post at 346.00 + 0.776 (Approximately 550 Ft. from the Stop sign, Centered in Between the Two Driveways) .		
		US 81	M1-4	24	24	4.0							W				
346.00 + 0.813	Lt.	West	M3-4	24	12	2.0		11		1		1	E	4" X 6" Wood	Replace Existing Signs with New Signs on New Post		
		SD 22	M1-5	24	24	4.0							E				
346.00 + 0.813	Rt.	SD 22	M1-5	24	24	4.0		11		1		1	W	4" X 6" Wood	Replace Existing Sign Located at 346.00 + 0.738 with New Sign on New Post at 346.00 + 0.813 (Approximately 200 ft. East of Junction Marker)		
		Advance Turn 90 Degree Right	M5-1R	21	15	2.2							W				
346.00 + 0.882	Rt.	Watertown / Arlington / Clear Lake	D1-3	78	36	19.5		28		2		1	W	4" X 6" Wood	Replace Existing Sign Located at 346.00 + 0.813 with New Sign on New Post at 346.00 + 0.851 (Approximately 200 ft. East of SD 22 Advance Turn Sign)		
346.00 + 0.881	Rt.	Stop	R1-1	36	36		7.5	12		1		1	W	4" X 6" Wood	Replace Existing Sign with New Sign on New Post		
					TOTAL	249.3	422.6	1074.0	56.0	96	4	88					

PLOTTED FROM - TRAB10100

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	PH 0010(103)	16	32

Corridor Signing Sign Summary for SD 22

Sign Code	Description	Width (Inches)	Height (Inches)	Sq. Ft.	Quantity	Flat Aluminum Sign, Nonremovable Copy High Intensity (SQFT)	Flat Aluminum Sign, Nonremovable Copy Super or Very High Intensity (SQFT)	Text / Background
	Hamlin Education Center 7 --->	78	60	32.5	1	32.5		White on Green
	Hamlin Education Center 7 <---	78	60	32.5	1	32.5		White on Green
D1-1AL	<--- Grover 4	90	24	15.0	1	15.0		White on Green
D1-1AR	Grover 4 --->	90	24	15.0	1	15.0		White on Green
D1-1D	Hazel	36	18	4.5	1	4.5		White on Green
D1-1D	Thomas	60	24	10.0	1	10.0		White on Green
D1-1D	Thomas	60	24	10.0	1	10.0		White on Green
D1-3	Watertown / Arlington / Clear Lake	78	36	19.5	1	19.5		White on Green
D2-2	Thomas 5 / Hazel 13	66	30	13.8	1	13.8		White on Green
M1-4	US 81	24	24	4.0	1	4.0		Black on White
M1-5	SD 22	24	24	4.0	10	40.0		See Standard Plate 632.20
M2-1	Junction Marker	21	15	2.2	1	2.2		Black on White
M3-2	East	24	12	2.0	4	8.0		Black on White, Green Border
M3-4	West	24	12	2.0	3	6.0		Black on White, Green Border
M4-6	End Marker	24	12	2.0	1	2.0		Black on White, Green Border
M5-1R	Advance Turn 90 Degree Right	21	15	2.2	1	2.2		Black on White, Green Border
M6-1L	Horizontal Single Arrow (Left)	21	15	2.2	1	2.2		Black on White, Green Border
R1-1	Stop	30	30	5.2	20		104.0	White on Red
R1-1	Stop	36	36	7.5	5		37.5	White on Red
R1-3P	All Way Plaque	18	6	0.8	4		3.0	White on Red
R2-1	Speed Limit 25 mph	24	30	5.0	1	5.0		Black on White
R2-1	Speed Limit 55 mph	24	30	5.0	2	10.0		Black on White
R2-1	Speed Limit 65 mph	24	30	5.0	3	15.0		Black on White
W10-1	Railroad Advance Warning	36	36	7.1	2		14.2	Black on Fluorescent Yellow
W1-2L	Left Curve	36	36	9.0	3		27.0	Black on Fluorescent Yellow
W1-2R	Right Curve	36	36	9.0	3		27.0	Black on Fluorescent Yellow
W14-3	No Passing Zone	48X48X36		5.6	29		162.4	Black on Fluorescent Yellow
W1-7	Two Direction Arrow	48	24	8.0	1		8.0	Black on Fluorescent Yellow
W3-1	Stop Ahead	30	30	6.3	2		12.5	Black/White/Red on Fluorescent Yellow
W3-5	Speed Reduction Ahead 25 MPH	36	36	9.0	1		9.0	Black on Fluorescent Yellow
W3-5	Speed Reduction Ahead 55 MPH	36	36	9.0	2		18.0	Black on Fluorescent Yellow
					Totals	249.3	422.6	

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	PH 0010(103)	17	32

SCOPE OF WORK

Work on the project consists of but is not limited to replacing existing flat sheet aluminum signs with new signs, utilize the in place post and at locations necessary replace the post and mounting hardware, new sign installation, and removal and salvaging of the existing sign and hardware material.

GENERAL PERMANENT SIGNING NOTES

Permanent sign locations shall be staked in the field by the Contractor and checked by the Engineer. The Contractor shall give the Engineer a minimum of one week to check staked locations prior to sign/post installation.

The Contractor shall be responsible for contacting South Dakota One Call to locate the utilities at the staked sign installation locations.

Any sign assembly being replaced shall be replaced immediately after removal of the existing sign assembly.

Prior to ordering sign posts, the Contractor shall verify post lengths. The height of the post shall not exceed the minimum height needed by more than 0.5 feet. Any portion that extends above the sign shall be cut off. No separate payment will be made for cutting the post or for that length cut off.

The contractor shall physically verify all sign sizes.

REMOVE EXISTING SIGNS

Existing signs within the project limits are summarized in the Sign Table. This table provides the approximate MRM location for each sign. Existing signs in the table are indicated to be removed and not reused.

All existing signs and hardware listed to be removed shall become the property of the Contractor.

Holes remaining from the removal of 4"x6" wood posts shall be backfilled and compacted with material placed in layers not to exceed 6 inches in depth.

All costs associated with the removal of existing signs, posts, hardware, and backfilling holes shall be incidental to the contract unit price per each for REMOVE TRAFFIC SIGN.

All existing sign posts and/or sign bases shall be removed in their entirety.

NEW PERMANENT SIGNING

New signs for installation are summarized in the Sign Table.

Sign Design

Signs shall be constructed as required per the Manual on Uniform Traffic Control Devices (MUTCD), the latest edition of "Standard Highway Signs", and as specified on the Special Sign Design sheets.

All upper/lower case letters and numerals shall be as required per the MUTCD, the latest edition of "Standard Highway Signs", and as illustrated on the Special Sign Design sheets.

The Contractor shall furnish the Aberdeen Region Traffic Engineer (P.O. Box 1767; Aberdeen, SD 57402) with a detailed sign layout sheet for each sign shown. These detailed sign layouts shall be approved by the Region Traffic Engineer prior to ordering the signs.

Sign Sheeting

All signs shall be manufactured in accordance with the sheeting manufacturer's recommendations utilizing a matched component system, including inks, electronic cuttable films, and protective overlay films. Digitally printed signs will not be accepted.

Sign Installation Hardware

Aluminum U-Channel stiffeners shall be used on all standard highway signs greater than 36 inches in width and shall conform to Alloy 6063-T6 or 6061-T6. The U-Channel shall be 2 inches in width and free of holes. The U-Channel stiffeners shall also be used to connect various signs together so that an entire sign assembly can be erected on a single installation.

Stiffeners may be fastened to signs by use of ¼ inch diameter drive rivets.

Refer to the Breakaway Sign Supports diagram for typical sign and stiffener details.

The Contractor shall use 3/8 inch diameter rust proof machine sign bolts, flat metal washers, neoprene washers (against the sign sheeting), lock washers, and nuts to fasten the sign to the channel aluminum and posts. A minimum of two bolts shall extend through each post.

All costs associated with furnishing and installing the new permanent signs, and with furnishing and installing stiffeners and hardware shall be incidental to the contract unit price per square foot for Flat Aluminum Sign, Nonremovable Copy High Intensity, or Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity.

SQUARE TUBE ANCHOR SLEEVE

The Contractor shall furnish and install new square tube anchor sleeve as follows:

2.5" x 18", 12 Gauge square tube anchor sleeve, (or equivalent components as approved by the Engineer).

A 2.25" x 2.25" x 4' perforated tube post (12 Gauge) shall be used as the anchor post for installation with the square tube anchor sleeve.

SQUARE TUBE POST SLEEVE

All 2.5" x 2.5" perforated tube post (10 Gauge) shall be sleeved with a 2 3/16" x 2 3/16"x4' perforated tube post (10 Gauge).

WINGED SLIP BASE ANCHOR

The Contractor shall furnish and install new winged slip base anchor as required per the plans.

Winged slip base anchor shall be installed using direct drive method.

Winged slip base anchor shall consist of a slip base (upper), 48 inch long winged anchor (lower), and hardware kit.

MILEAGE REFERENCE MARKERS

MRMs (Mileage Reference Markers) are not to be disturbed. If an MRM is attached to a sign listed for replacement it shall be salvaged and reattached to the new sign in the same location. Payment for this work shall be incidental to the various signing contract items.

PLOTTED FROM - TRAB10100

SIGN POST INSTALLATION THROUGH CONCRETE

On concrete surfaces a core shall be drilled out for sign installation. The core diameter shall be sized accordingly depending on post size. Concrete surrounding the core shall not be cracked or damaged.

All costs associated with installation through concrete shall be incidental to sign installation.

Posts will need to be installed through concrete at 4 known locations. Other locations may be found during construction.

OVERHEAD AND POLE MOUNTED SIGNS

The Contractor shall install the new overhead signs on the existing double beam type brackets with new connection hardware and mast arm mounting hardware.

Signs that are mounted on luminaire, utility, and signal poles, and on signal mast arms shall be attached with high strength stainless steel bands or galvanized pole clamps, and signs shall be attached as recommended by the manufacturer. All sign mounting hardware shall be stainless steel or galvanized steel. Pole mounted signs shall be mounted a minimum of 7 ft above the ground.

Mounting heights are measured to the bottom of the signs.

Costs for pole and mast arm sign mounting hardware shall be incidental to the contract unit price per square foot for Flat Aluminum Sign, Nonremovable Copy High Intensity, or Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity.

GENERAL MAINTENANCE OF TRAFFIC

Work will be allowed only during daylight hours.

Traffic control during the work shall be a minimum of a mobile work operation. The Contractor may use lane closures to complete the work should conditions dictate.

Vehicles used for mobile work operations should be equipped with highly visible devices on the equipment such as; high-intensity rotating, flashing, oscillating, or strobe lights. All other equipment shall display high-intensity rotating, flashing, oscillating, or strobe lights visible to traffic in all directions.

Cost of equipment and traffic control devices on equipment, including arrow panels and signs, shall be incidental to the contract lump sum price for Traffic Control, Miscellaneous.

Removing, relocating, covering, salvaging and resetting of existing traffic control devices, including delineation, shall be the responsibility of the Contractor. Cost for this work shall be incidental to the contract unit prices for the various items unless otherwise specified in the plans. Any delineators and signs damaged or lost shall be replaced by the Contractor at no cost to the State.

Indiscriminate driving and parking of vehicles within the right-of-way will not be permitted. Any damage to the vegetation, surfacing, embankment, delineators, and existing signs resulting from such indiscriminate use shall be repaired and/or restored by the Contractor, at no expense to the State, and to the satisfaction of the Engineer.

The bottom of signs on portable or temporary supports shall not be less than seven feet above the pavement in urban areas and one foot above the pavement in rural areas. Portable sign supports may be used as long as the duration is less than 3 days. If the duration is more than 3 days the signs shall be on fixed location, ground mounted, breakaway supports.

Sufficient quantities for Traffic Control Signs have been included to sign for one work area on crossroads. If the Contractor elects to use additional traffic control, the cost for additional traffic control devices or equipment shall be incidental to the contract unit price per square foot for Traffic Control Signs.

REFLECTORIZED SHEETING REQUIREMENTS FOR TEMPORARY TRAFFIC CONTROL DEVICES

Delete the first paragraph of Section 984.1 and replace with the following:

Temporary traffic control devices, including signs, drums, cones, tubular markers, barricades, vertical panels, and direction indicator barricades shall be reflectorized with sheeting applied to a satisfactory backing. For all temporary traffic control warning signs, the reflective sheeting shall meet or exceed the standards of Type VII, Type VIII, Type IX, or Type XI as defined by AASHTO M 268 (ASTM D4956). For all other temporary traffic control signs, the reflective sheeting shall meet or exceed the standards of Type IV, Type V, Type VII, Type VIII, Type IX, or Type XI as defined by AASHTO M 268 (ASTM D4956). For barricades, vertical panels, and direction indicator barricades; the reflective sheeting shall meet or exceed the standards of Type III as defined by AASHTO M 268 (ASTM D4956). Round surfaced temporary traffic control devices including, but not limited to; drums, cones, and tubular markers shall be reflectorized with reflectorized sheeting meeting or exceeding the standards of Type IV as defined by AASHTO M 268 (ASTM D4956). All orange colored material shall be fluorescent.

Revised 03/02/16 CJP

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	PH 0010(103)	18	32

ITEMIZED LIST FOR TRAFFIC CONTROL

SD 37

SIGN CODE	SIGN DESCRIPTION	CONVENTIONAL ROAD			
		NUMBER	SIGN SIZE	SQFT PER SIGN	SQFT
R1-1	STOP	1	30" x 30"	6	6
W4-2	LEFT or RIGHT LANE ENDS (symbol)	1	48" x 48"	16	16
W20-1	ROAD WORK AHEAD	3	48" x 48"	16	48
W20-5	LEFT or RIGHT LANE CLOSED AHEAD	1	48" x 48"	16	16
G20-2	END ROAD WORK	2	36" x 18"	5	10
		CONVENTIONAL ROAD TRAFFIC CONTROL SIGNS SQFT			
		96			

TYPE 3 BARRICADES

ITEM DESCRIPTION	QUANTITY
Type 3 Barricade, 8' Double Sided	1 Each

ARROW BOARDS

ITEM DESCRIPTION	QUANTITY
Type C Arrow Board	1 Each

SD22

SIGN CODE	SIGN DESCRIPTION	CONVENTIONAL ROAD			
		NUMBER	SIGN SIZE	SQFT PER SIGN	SQFT
W20-1	ROAD WORK AHEAD	2	48" x 48"	16	32
W20-4	ONE LANE ROAD AHEAD	2	48" x 48"	16	32
W20-7	FLAGGER (symbol)	2	48" x 48"	16	32
G20-2	END ROAD WORK	2	36" x 18"	5	10
		CONVENTIONAL ROAD TRAFFIC CONTROL SIGNS SQFT			
		106			

Plotting Date: 01/20/2016

The signs illustrated are not required if the work space is behind a barrier, more than 2 feet behind the curb, or 15 feet or more from the edge of any roadway.

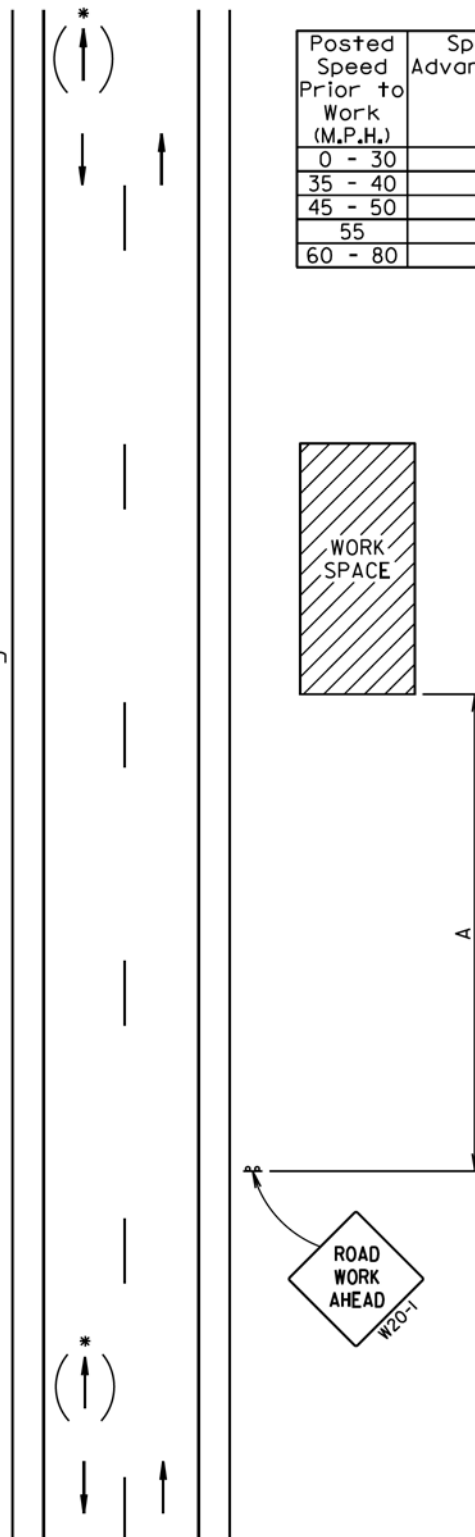
The signs illustrated shall be used where there are distracting situations; such as: vehicles parked on shoulder, vehicles accessing the work site via the highway, and equipment traveling on or crossing the roadway to perform work operations.

The ROAD WORK AHEAD sign may be replaced with other appropriate signs, such as the SHOULDER WORK sign. The SHOULDER WORK sign may be used for work adjacent to the shoulder.

- * If the work space is on a divided highway, an advance warning sign should also be placed on the left side of the directional roadway.

For short term, short duration, or mobile operations, all signs and channelizing devices may be eliminated if a vehicle with an activated flashing or revolving yellow light is used.

Posted Speed Prior to Work (M.P.H.)	Spacing of Advance Warning Signs (Feet) (A)
0 - 30	200
35 - 40	350
45 - 50	500
55	750
60 - 80	1000



April 15, 2015

Published Date: 4th Qtr. 2015

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GUIDES FOR TRAFFIC CONTROL DEVICES WORK BEYOND THE SHOULDER

PLATE NUMBER
634.01

Sheet 1 Of 1

Posted Speed Prior to Work (M.P.H.)	Spacing of Advance Warning Signs (Feet) (A)	Spacing of Channelizing Devices (Feet) (C)
0 - 30	200	25
35 - 40	350	25
45 - 50	500	50
55	750	50
60 - 65	1000	50

Warning sign sequence —
in opposite direction same
as below.

 Flagger
 Channelizing Device

For low-volume traffic situations with short work zones on straight roadways where the flagger is visible to road users approaching from both directions, a single flagger may be used.

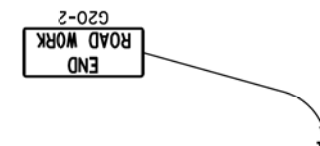
The ROAD WORK AHEAD and the END ROAD WORK signs may be omitted for short duration operations (1 hour or less).

For tack and/or flush seal operations, when flaggers are not being used, the FRESH OIL sign (W21-2) shall be displayed in advance of the liquid asphalt areas.

Flashing warning lights and/or flags may be used to call attention to the advance warning signs.

The channelizing devices shall be drums or 42" cones.

Channelizing devices are not required along the centerline adjacent to work area when pilot cars are utilized for escorting traffic through the work area.



Channelizing devices and flaggers shall be used at intersecting roads to control intersecting road traffic as required.

The buffer space should be extended so that the two-way traffic taper is placed before a horizontal or vertical curve to provide adequate sight distance for the flagger and queue of stopped vehicles.

The length of A may be adjusted to fit field conditions.

September 22, 2014

Published Date: 4th Qtr. 2015

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**GUIDES FOR TRAFFIC CONTROL DEVICES
LANE CLOSURE WITH FLAGGER PROVIDED**

PLATE NUMBER
634.23

Sheet 1 of 1

Posted Speed Prior to Work (M.P.H.)	Spacing of Advance Warning Signs (Feet) (A)	Taper Length (Feet) (L)	Spacing of Channelizing Devices (Feet) (G)
0 - 30	200	180	25
35 - 40	350	320	25
45 - 50	500	600	50 *
55	750	660	50 *
60 - 65	1000	780	50 *

* Spacing is 40' for 42" cones.

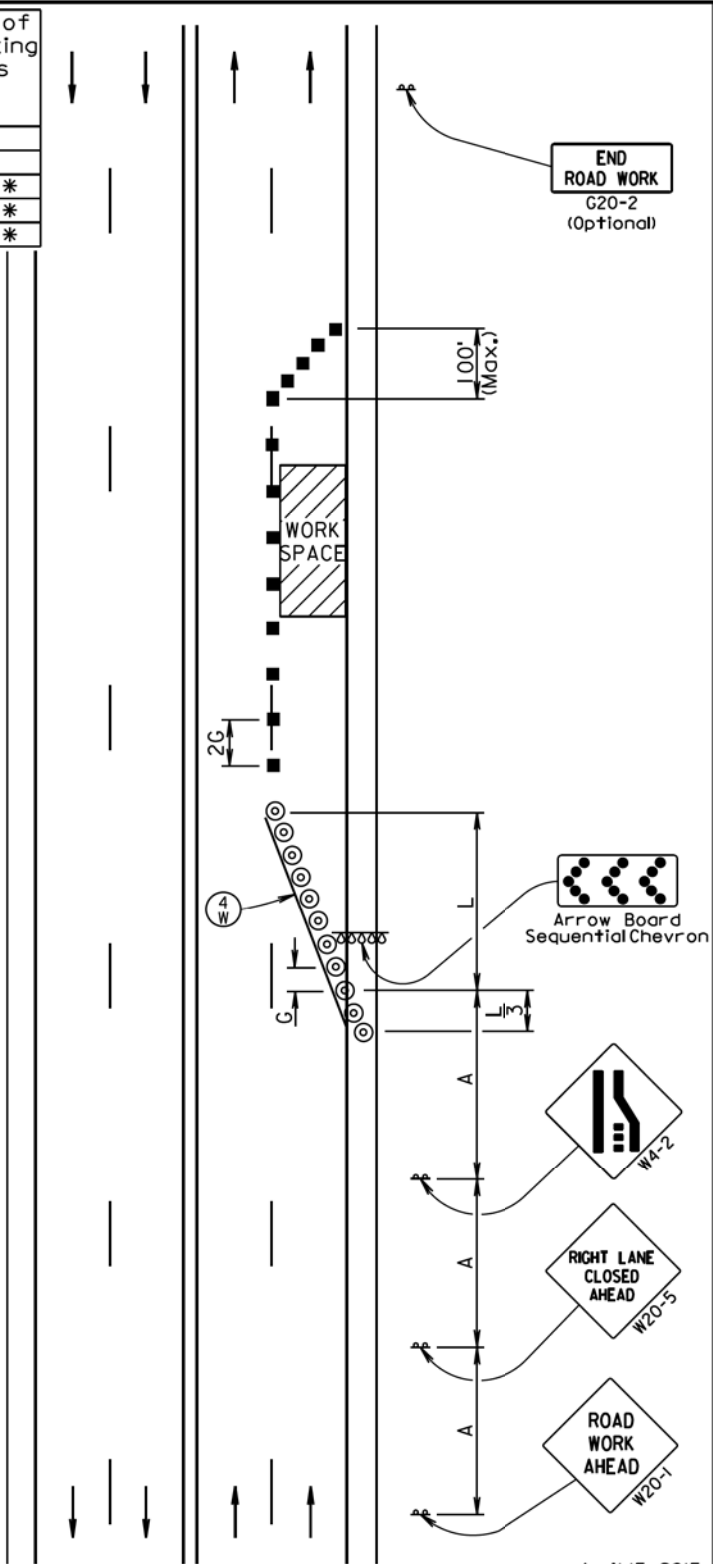
- ⊙ Reflectorized Drum
- Channelizing Device
- ④ W 4" White Temporary Pavement Marking

The channelizing devices shall be 42" cones or drums.

42" cones may be used in place of the drums shown in the taper if setup will not be used during night time hours.

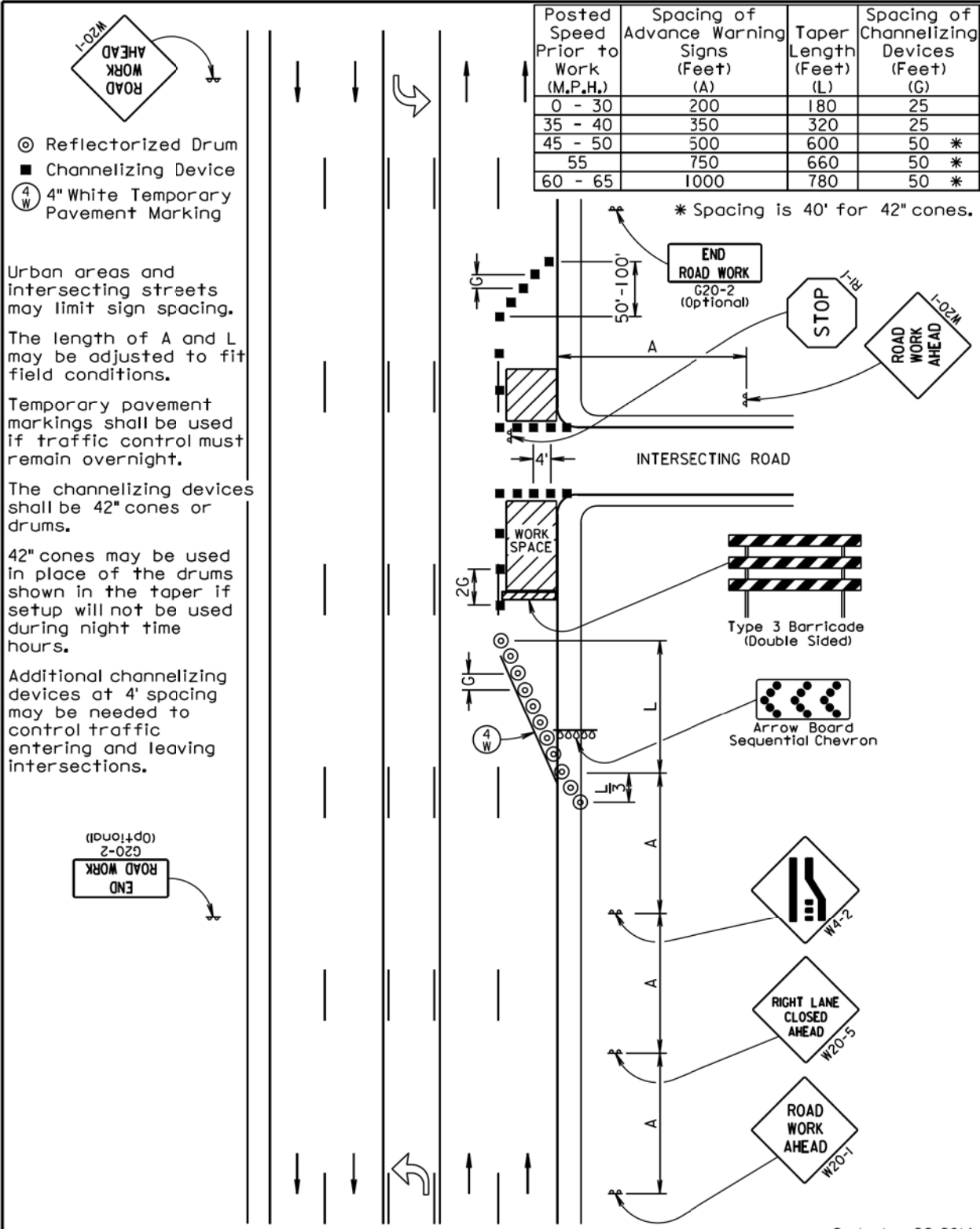
Temporary pavement markings shall be used if traffic control must remain overnight.

The length of A and L may be adjusted to fit field conditions.



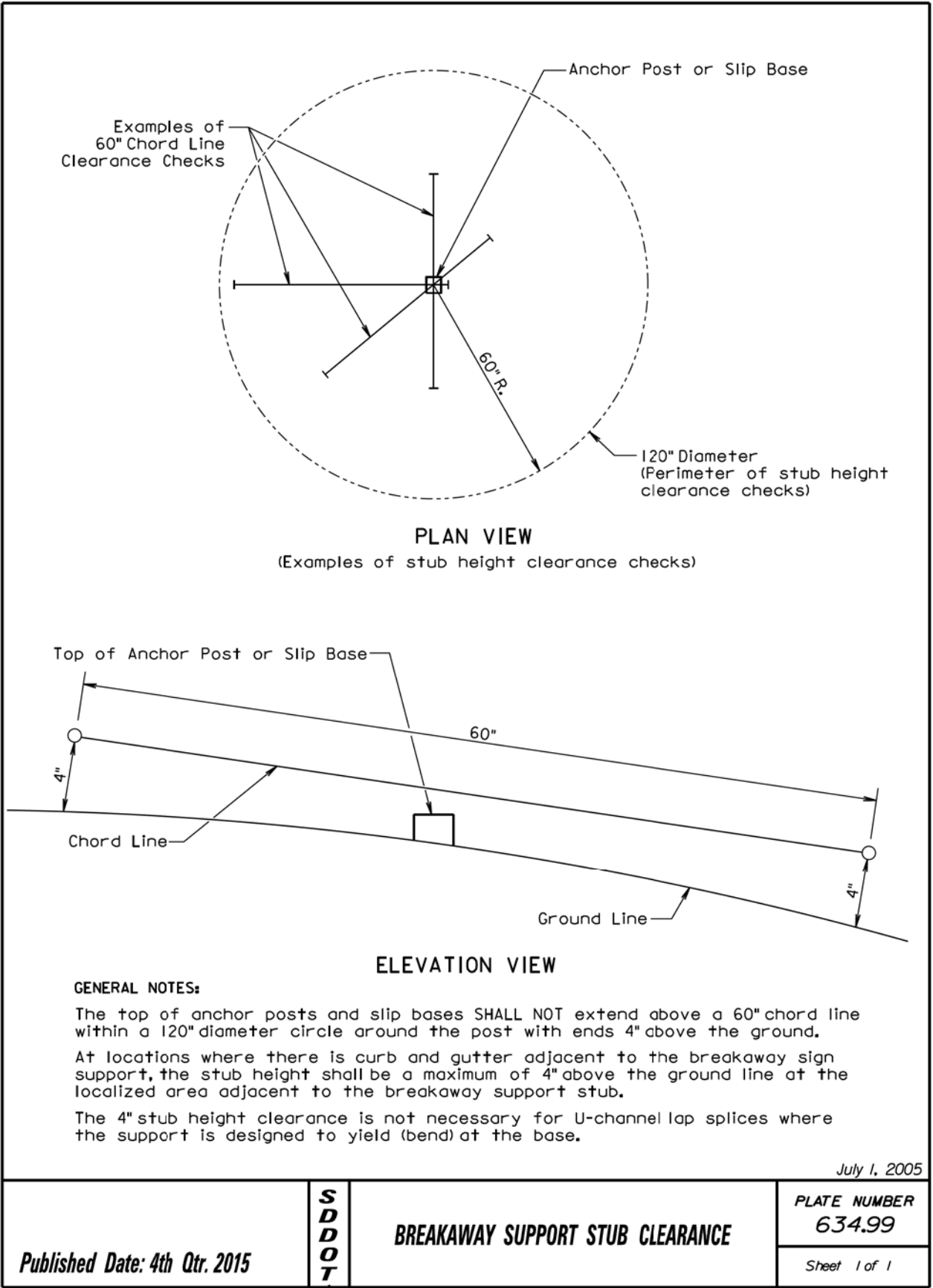
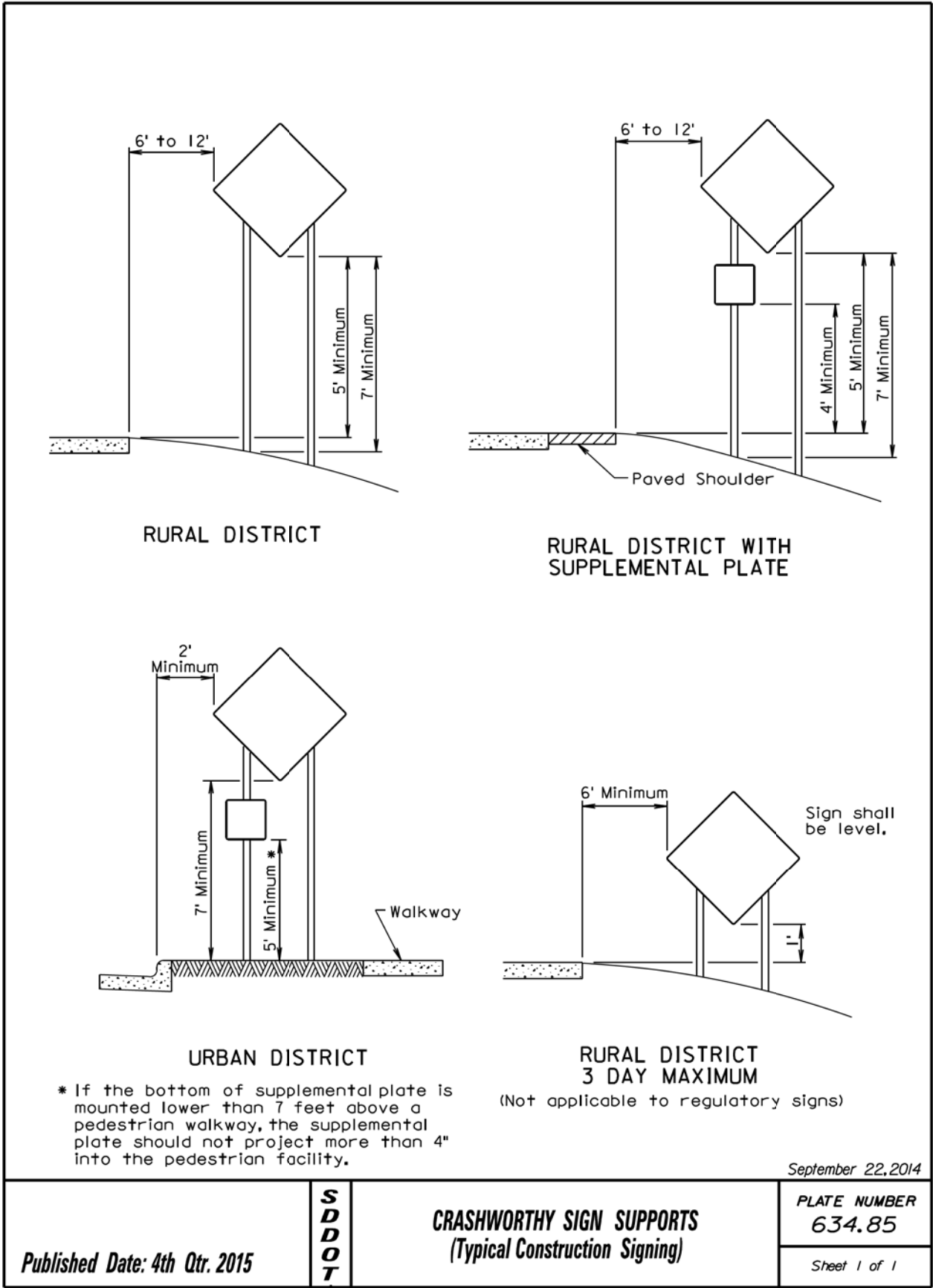
April 15, 2015

Published Date: 4th Qtr. 2015	S D D O T	GUIDES FOR TRAFFIC CONTROL DEVICES 4-LANE UNDIVIDED, RIGHT LANE CLOSED	PLATE NUMBER 634.47
			Sheet 1 of 1



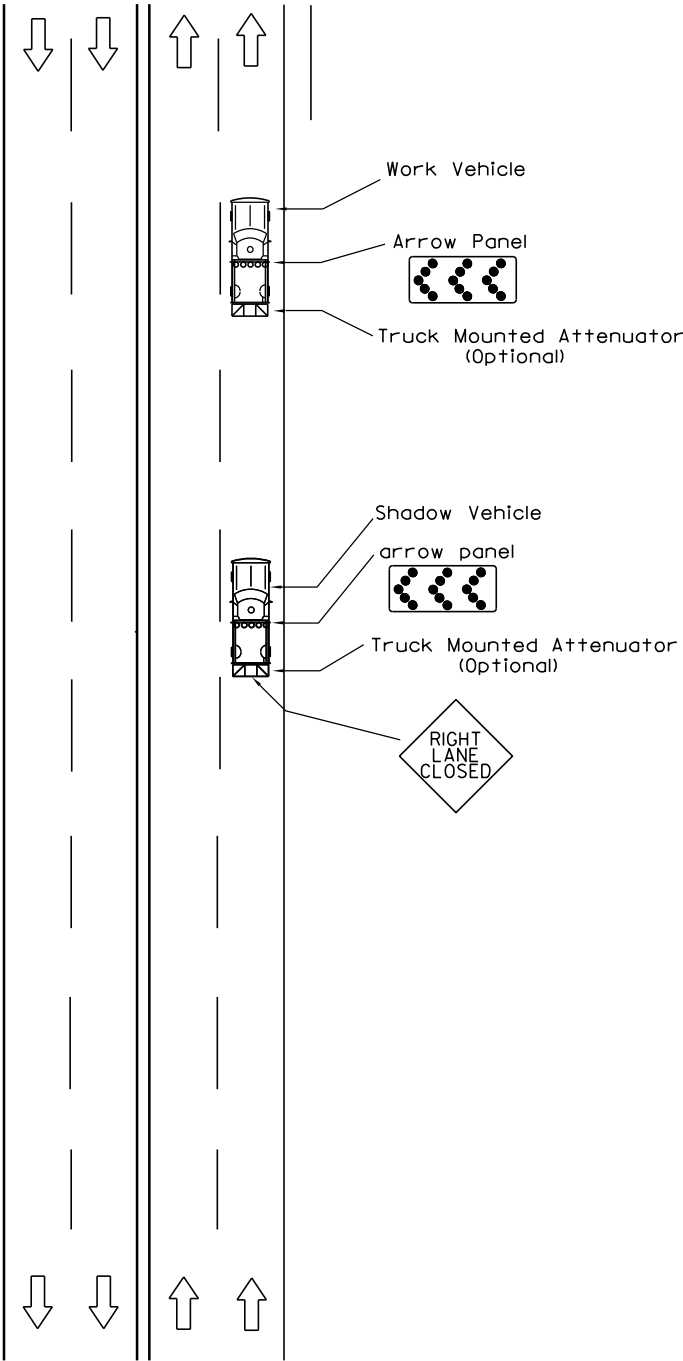
September 22, 2014

Published Date: 4th Qtr. 2015	S D D O T	GUIDES FOR TRAFFIC CONTROL DEVICES 5-LANE, OUTSIDE LANE CLOSED	PLATE NUMBER 634.60
			Sheet 1 of 1



STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	PH 0010(103)	22	32
Plotting Date: 02/04/2016			

MOBILE OPERATIONS ON FOUR-LANE ROAD WITH NO SHOULDER



Notes for Mobile Operations on Four-Lane Road (Typical)

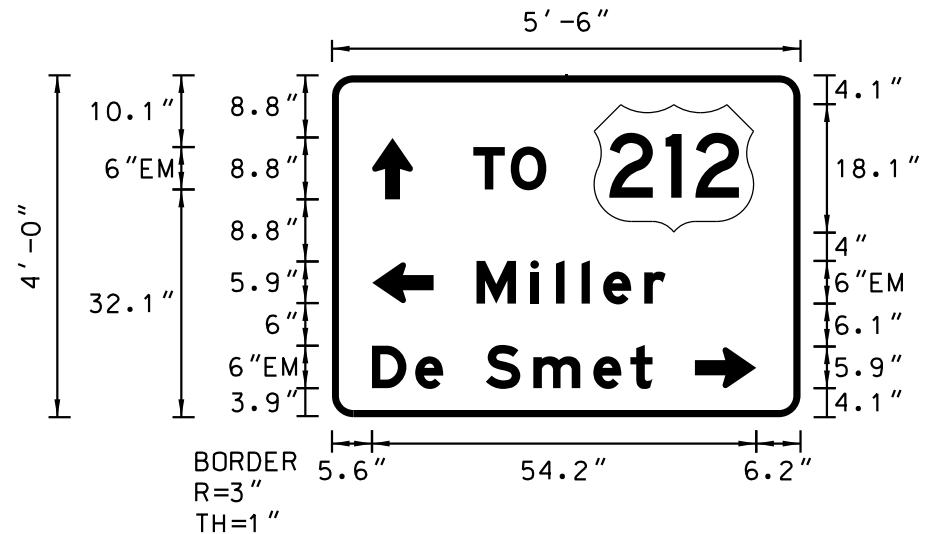
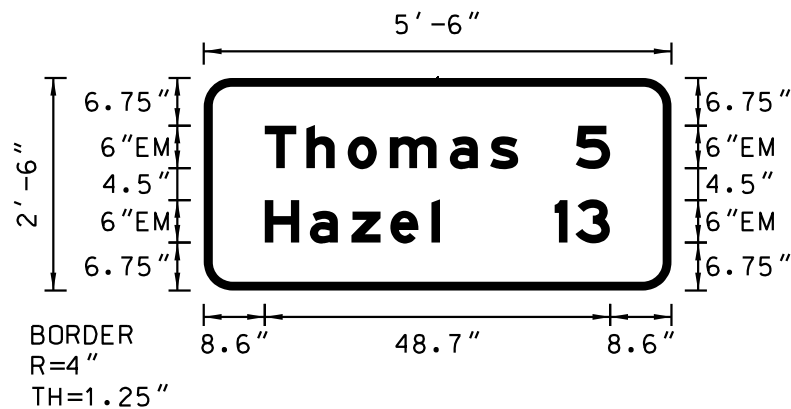
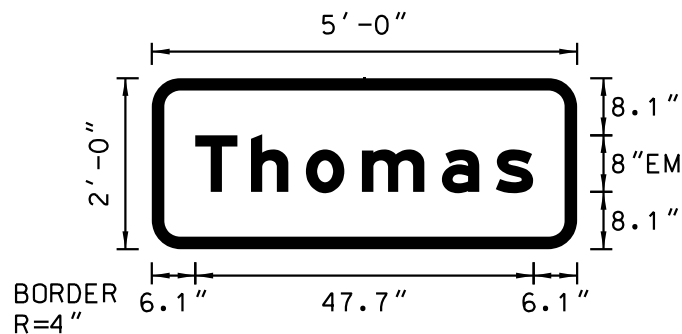
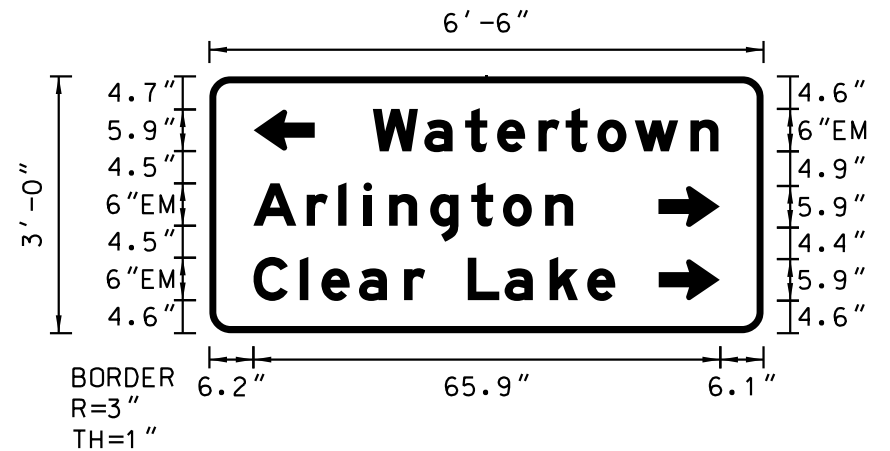
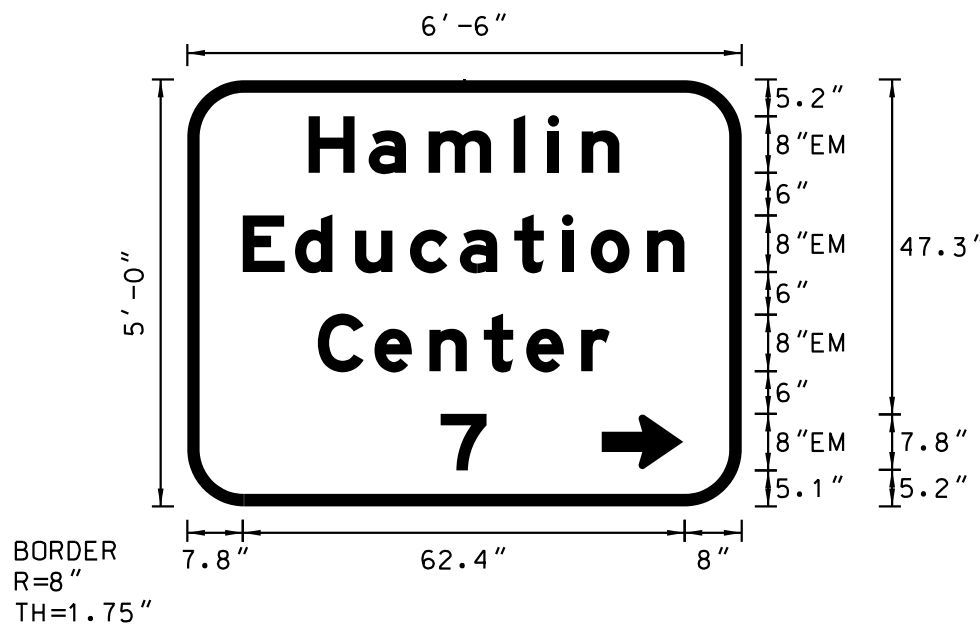
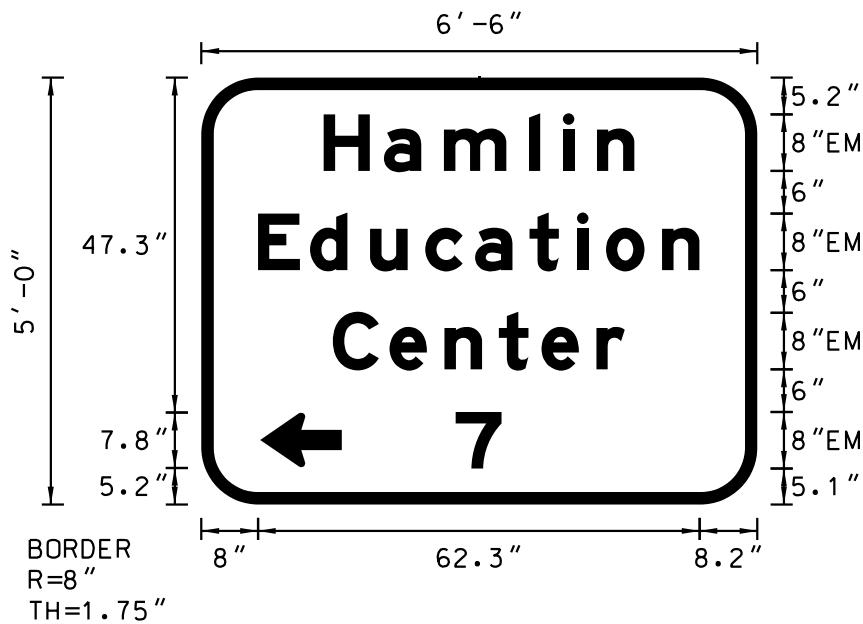
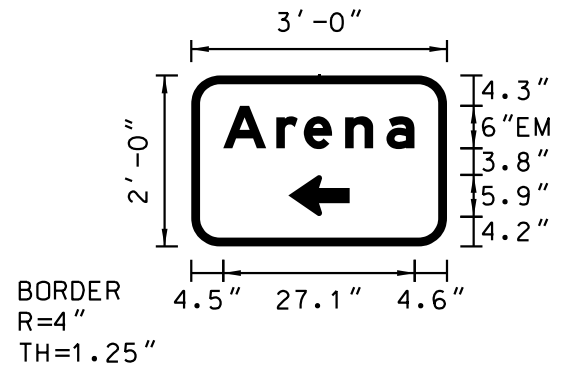
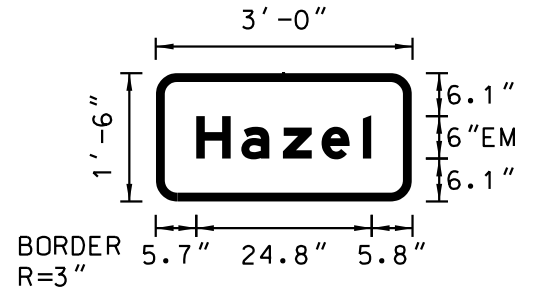
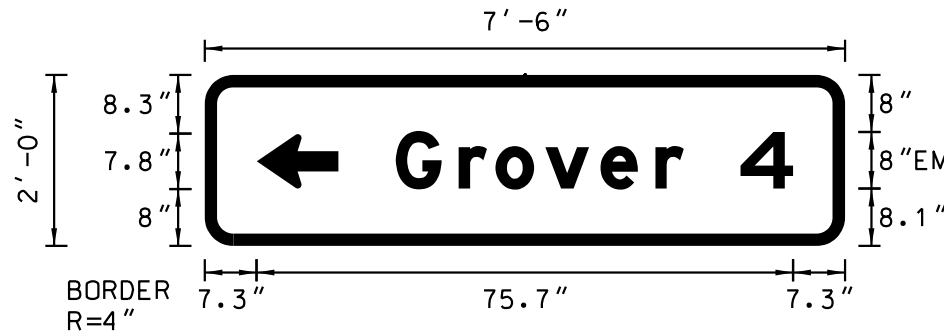
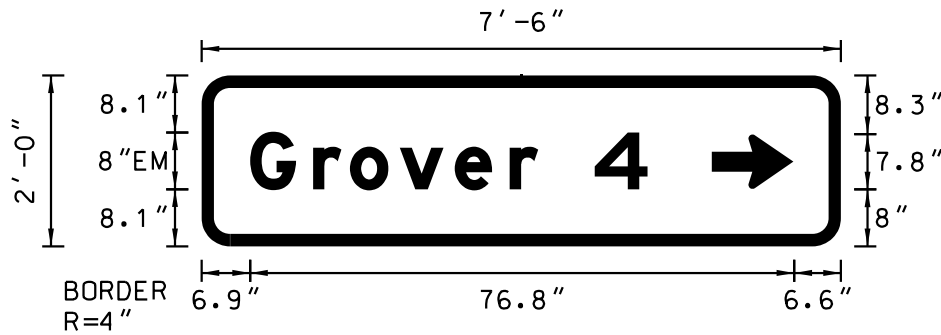
- Standard:
- 1. Vehicle-mounted signs shall be mounted in a manner such that they are not obscured by equipment or supplies. Sign legends on vehicle-mounted signs shall be covered or turned from view when work is not in progress.
 - 2. Shadow and work vehicles shall display high-intensity rotating, flashing, osceillating or strobe lights, signs or arrow pannels.
 - 3. Arrow panels shall, as a minimum, be Type B, with a size of 60" x 30".
 - 4. Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.
- Guidance:
- 5. The spacing between the work vehicle and the shadow vehicle and between each shadow vehicle should be minimized to deter road users from driving in between.
 - 6. Work should normally be accomplished during off-peak hours.
 - 7. The shadow vehicles should also be equipped with two high-intensity flashing lights mounted on the rear, adjacent to the sign.
- Option:
- 8. A truck-mounted attenuator may be used on the work vehicle and the shadow vehicle.

PLOT SCALE - 1:2,2575

PLOTTED FROM - TRAB10100

SPECIAL SIGN DESIGN

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	PH 0010(103)	23	32
Plotting Date: 01/20/2016			



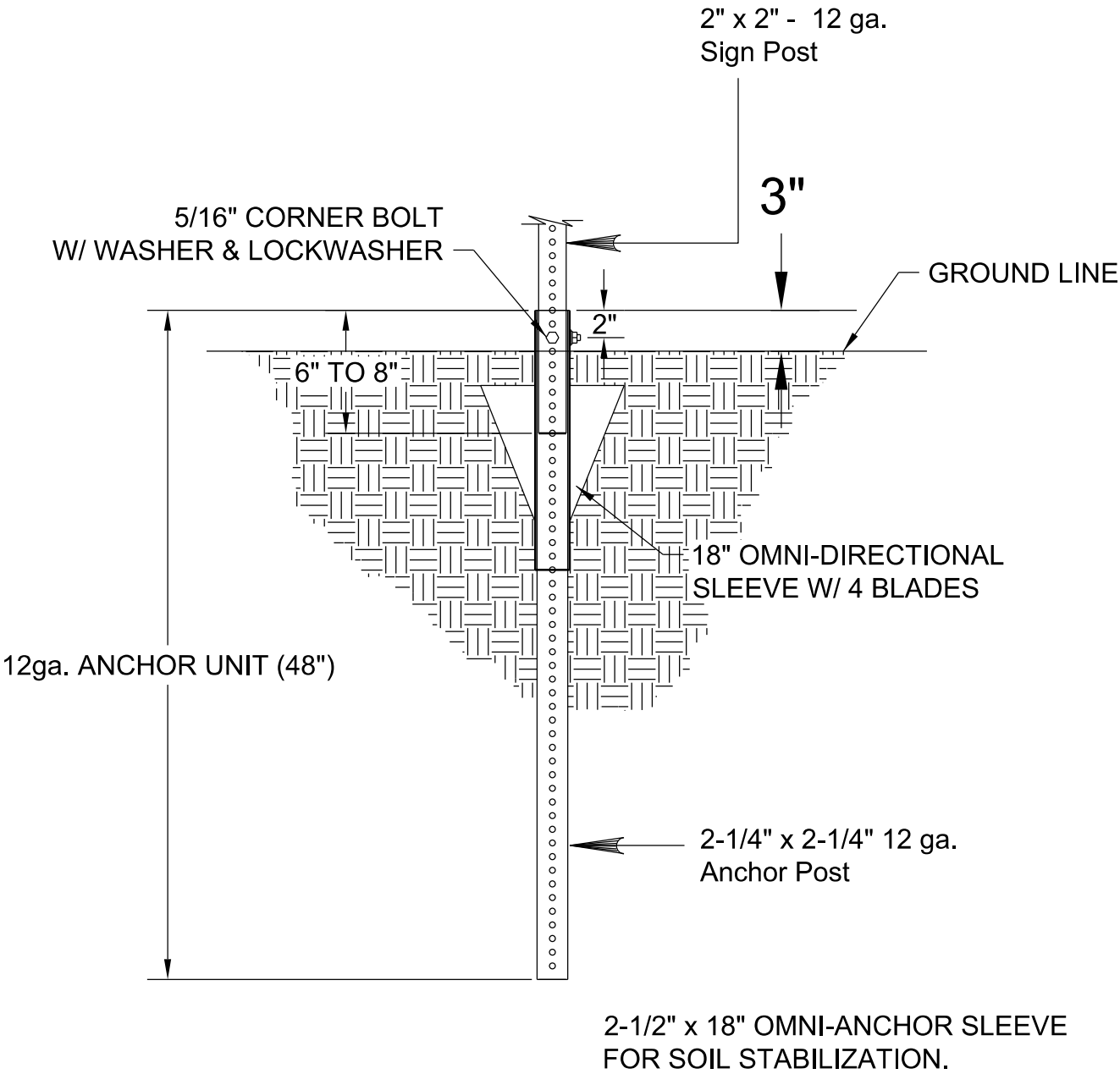
All signs on this sheet shall have a green background with white legend and white border

PLOT NAME - 1

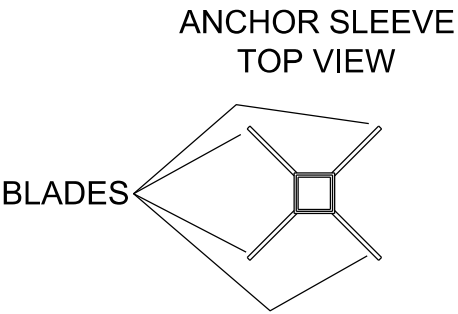
FILE - ... \SPECIAL SIGN DESIGN.DGN

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	PH 0010(103)	24	32
Plotting Date: 01/20/2016			

SQUARE TUBE 4 BLADE ANCHOR DETAIL

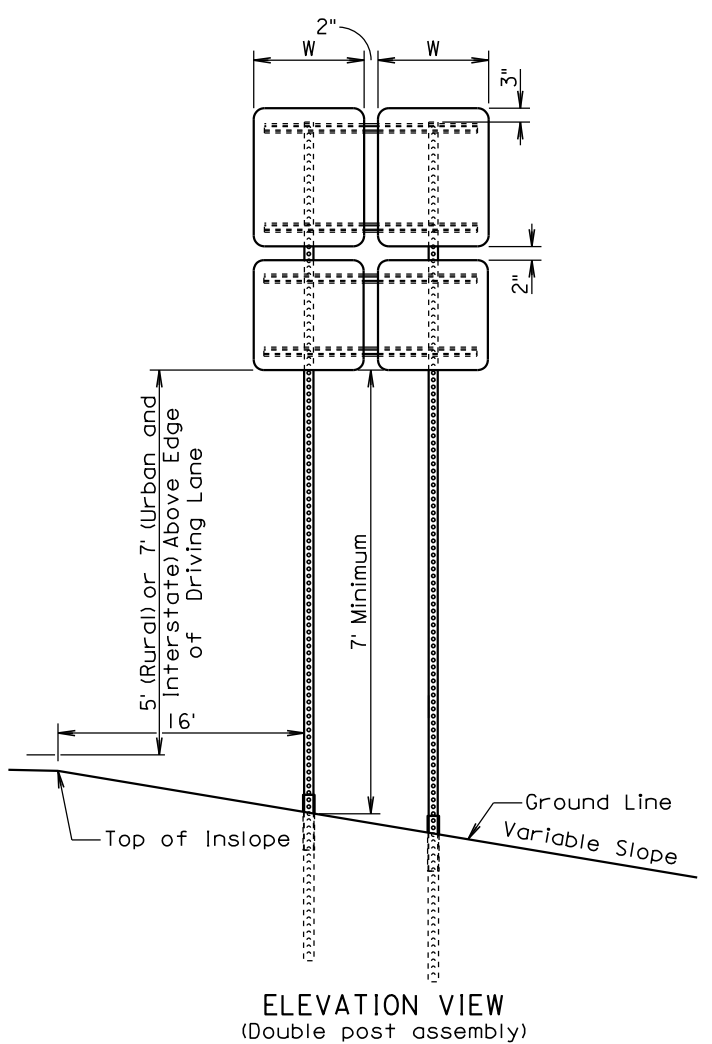
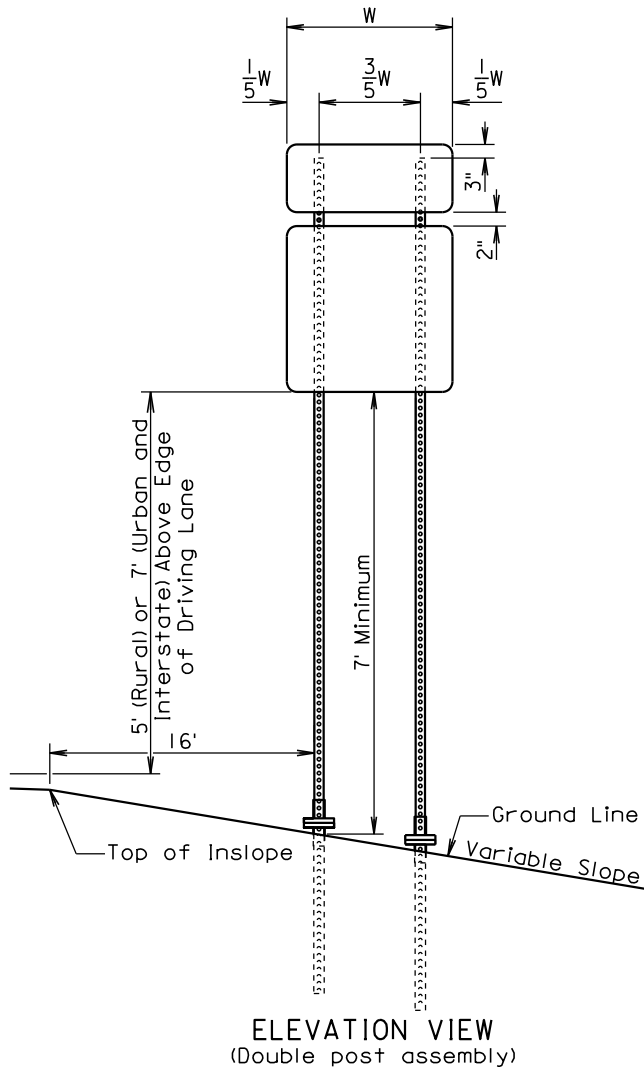
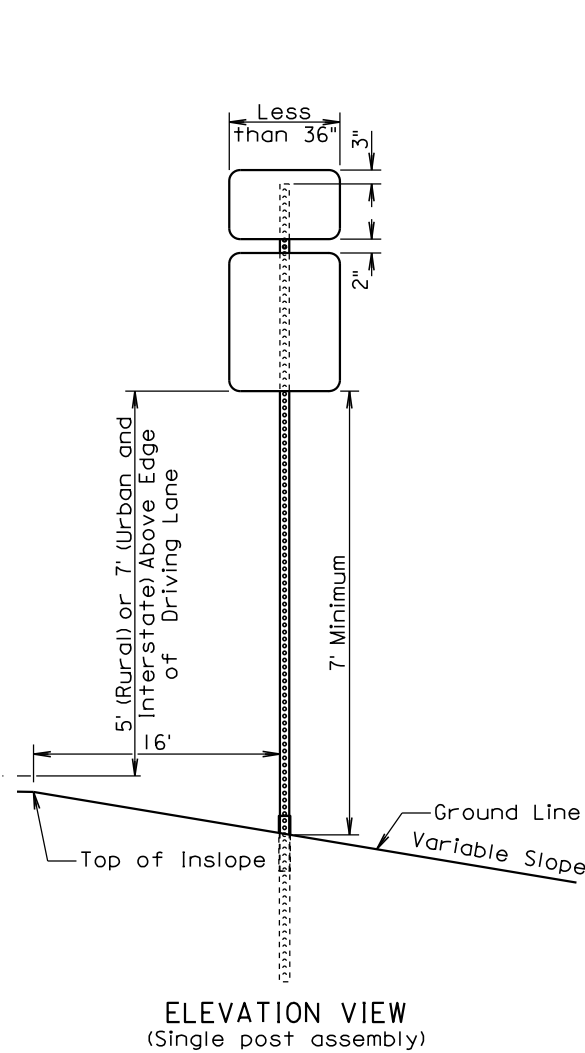


2-1/2" x 18" 12 ga. Omni-Sleeve



STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	PH 0010(103)	25	32
Plotting Date: 01/20/2016			

INSTALLATION DETAILS FOR MULTIPLE SIGN ASSEMBLIES

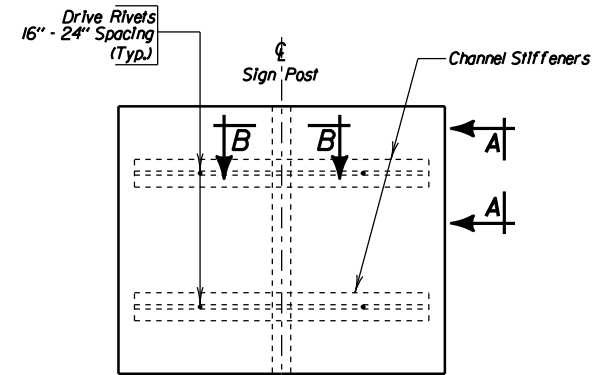


GENERAL NOTES:

The sign posts and bases shown are for illustrative purpose. The post type required shall be the type specified in the plans.

All breakaway sign supports shall comply with NCHRP 350 or MASH crash testing requirements and FHWA requirements. The Contractor shall provide post installation details at the preconstruction meeting for all breakaway sign support assemblies.

ONE POST BREAKAWAY SIGN SUPPORTS

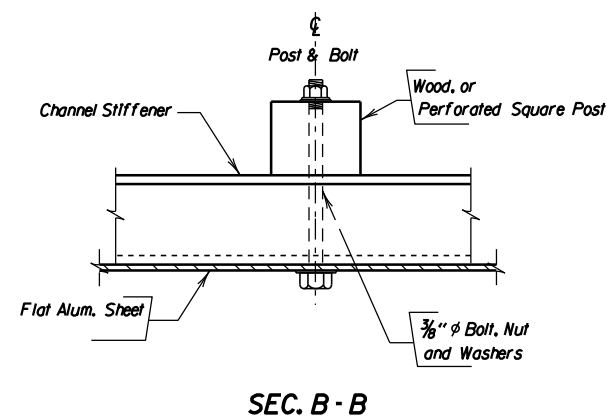
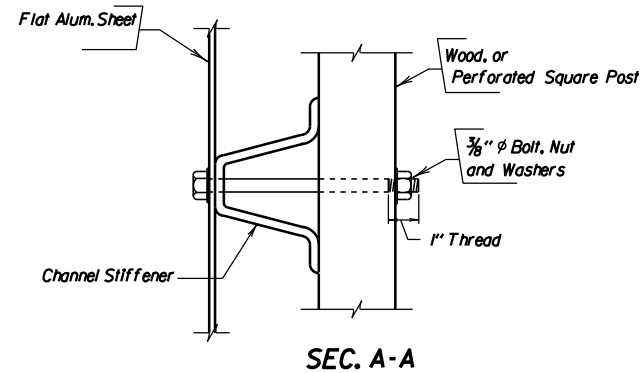
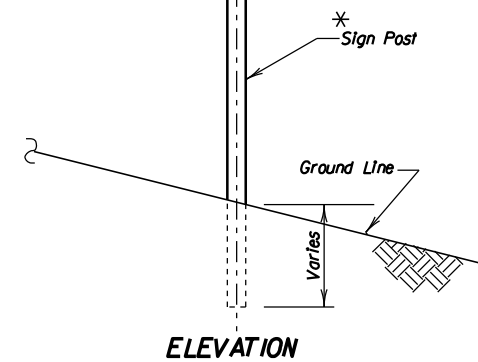


Ø A plastic washer, as recommended by the sheeting manufacturer, shall be installed between the sign face and the metal washer shown.

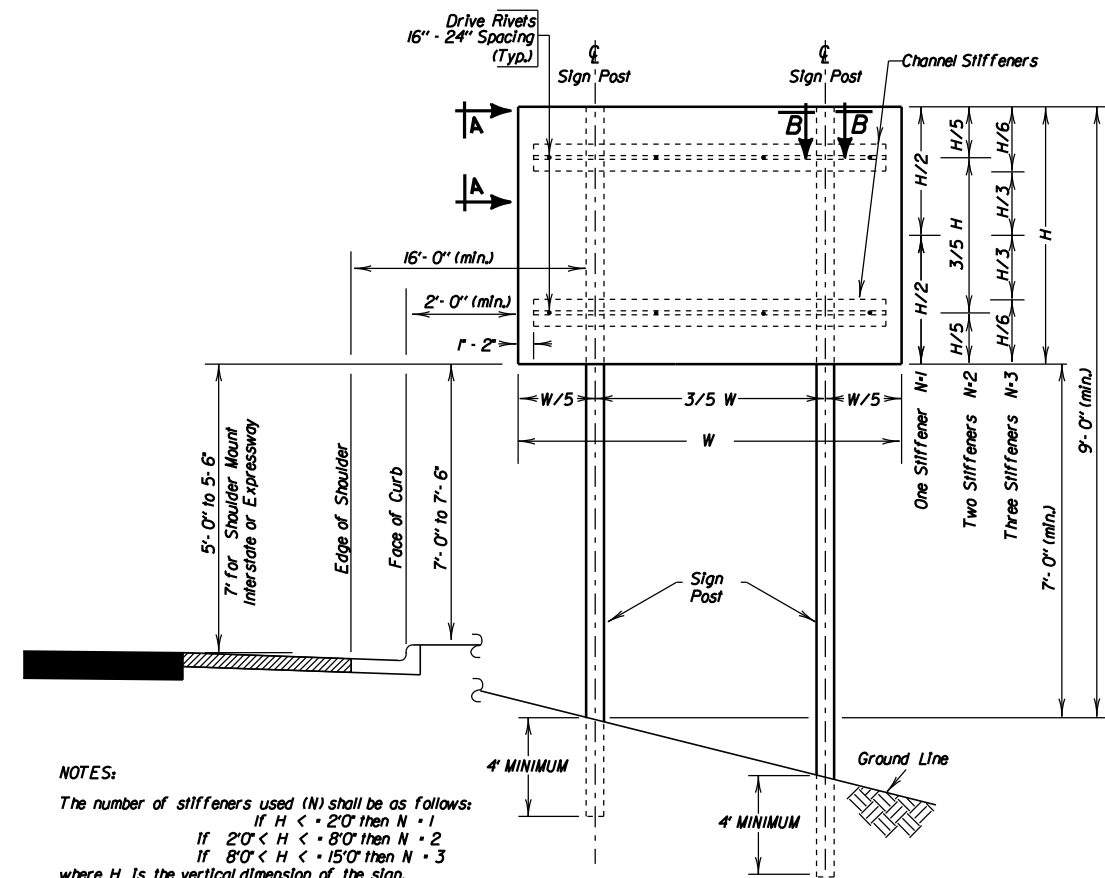
Height and lateral distance as recommended by latest edition of MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

* Single post Installation shown. (See applicable Details or Standard Plates shown in these plans for multiple post spacing requirements.)

(Typical Sign and Stiffener Details)

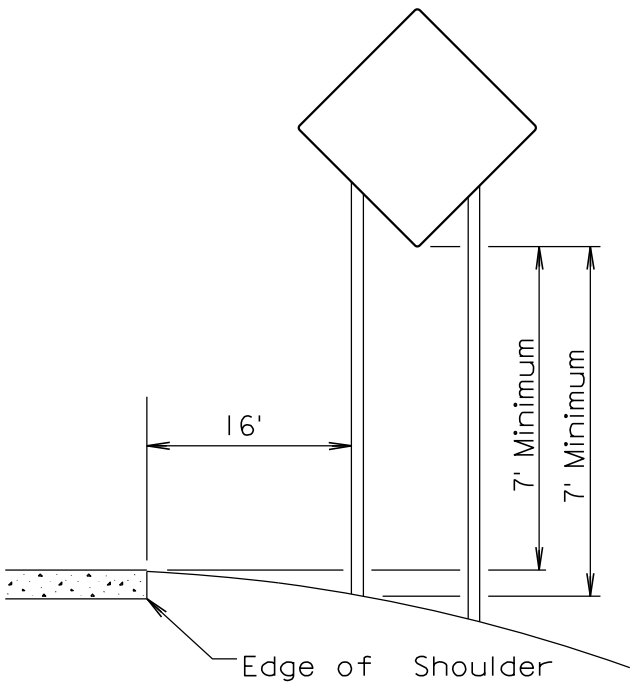


TWO POST BREAKAWAY SIGN SUPPORTS

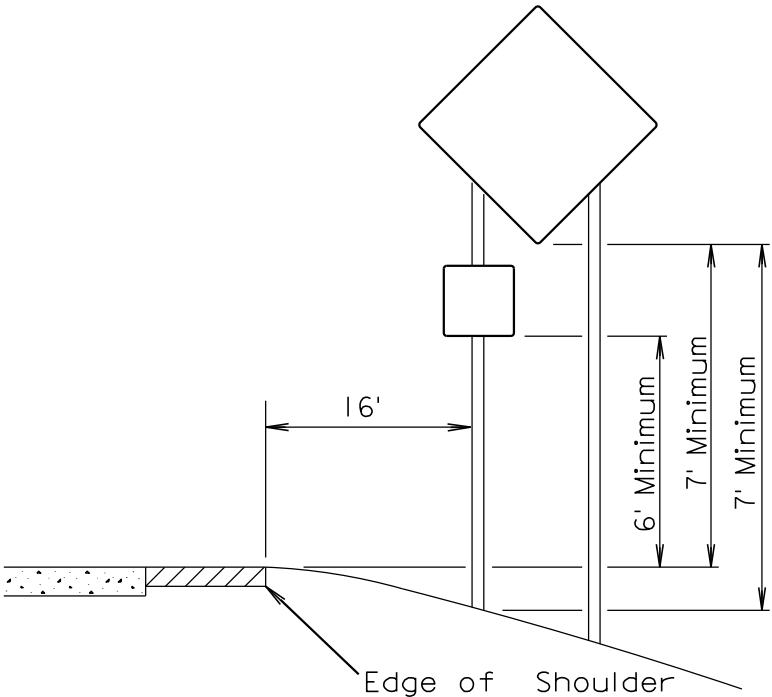


STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	PH 0010(103)	27	32
Plotting Date: 01/20/2016			

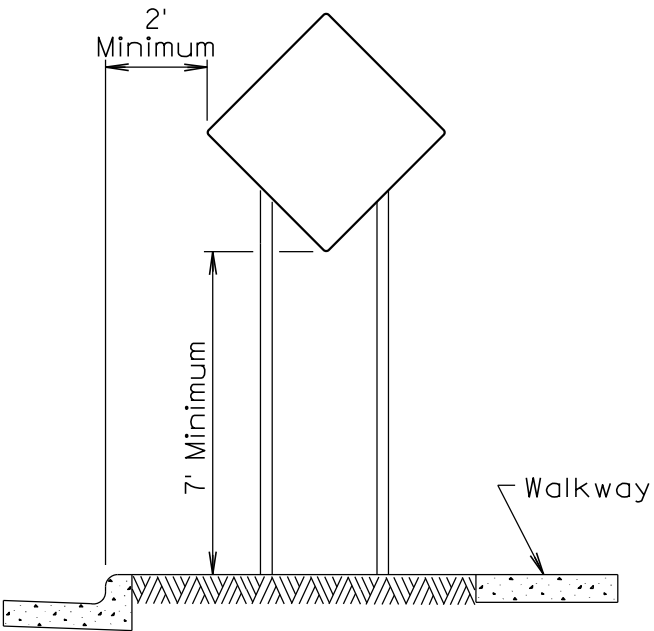
SIGN SUPPORTS
(Lateral Off-Sets)



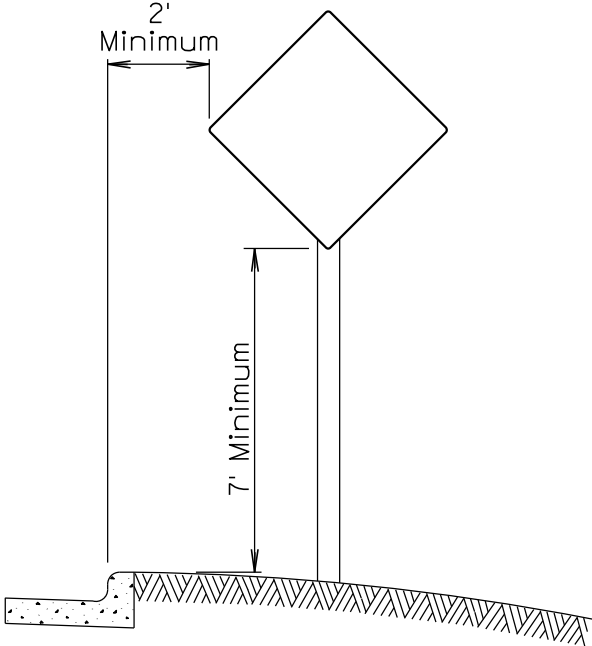
RURAL DISTRICT



RURAL DISTRICT WITH
SUPPLEMENTAL PLATE



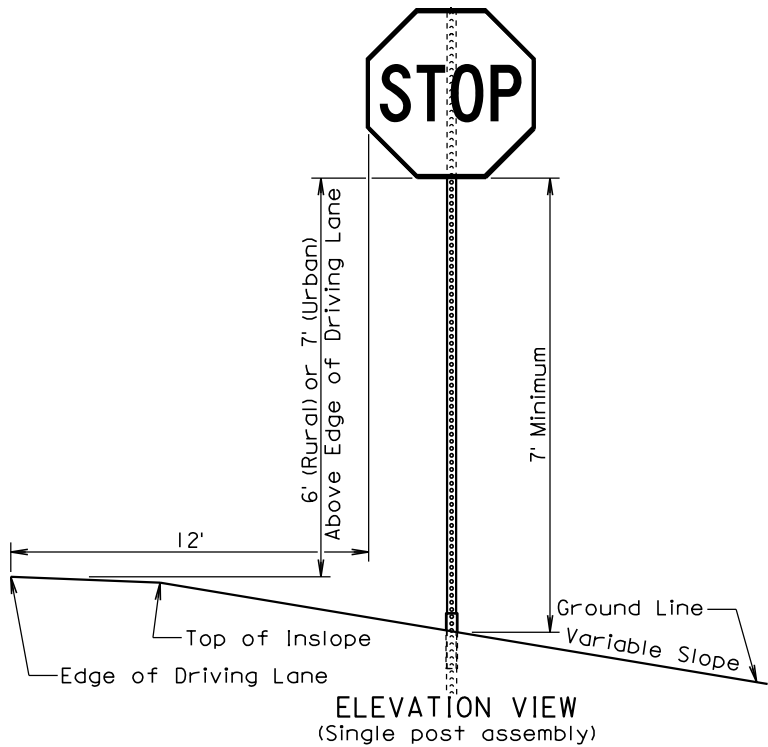
URBAN DISTRICT



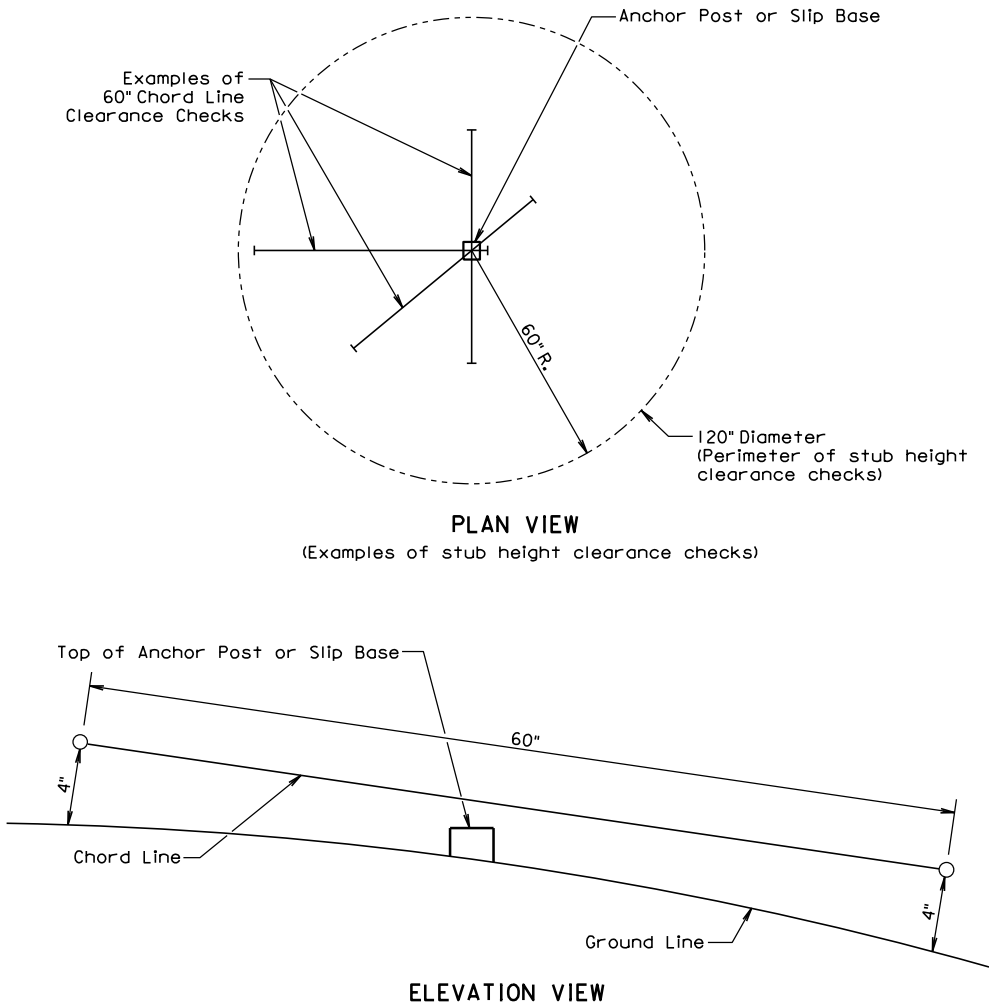
URBAN DISTRICT

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	PH 0010(103)	28	32
Plotting Date: 01/20/2016			

INSTALLATION DETAILS FOR STOP SIGNS



BREAKAWAY SUPPORT STUB CLEARANCE

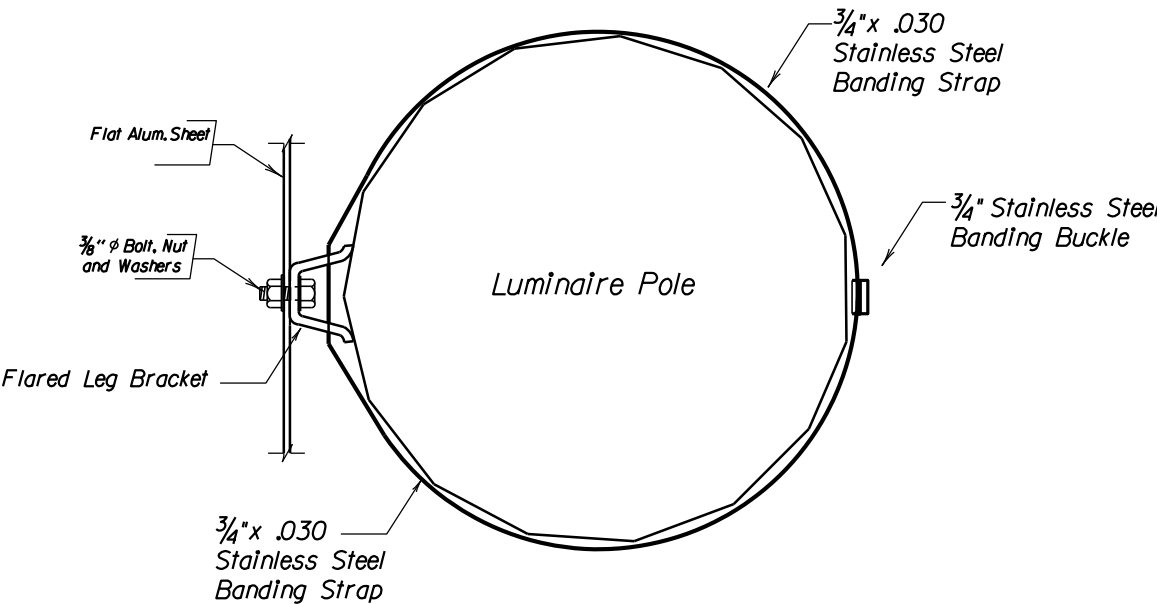


GENERAL NOTES:
The top of anchor posts and slip bases SHALL NOT extend above a 60" chord line within a 120" diameter circle around the post with ends 4" above the ground.
At locations where there is curb and gutter adjacent to the breakaway sign support, the stub height shall be a maximum of 4" above the ground line at the localized area adjacent to the breakaway support stub.

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	PH 0010(103)	29	32
Plotting Date: 01/20/2016			

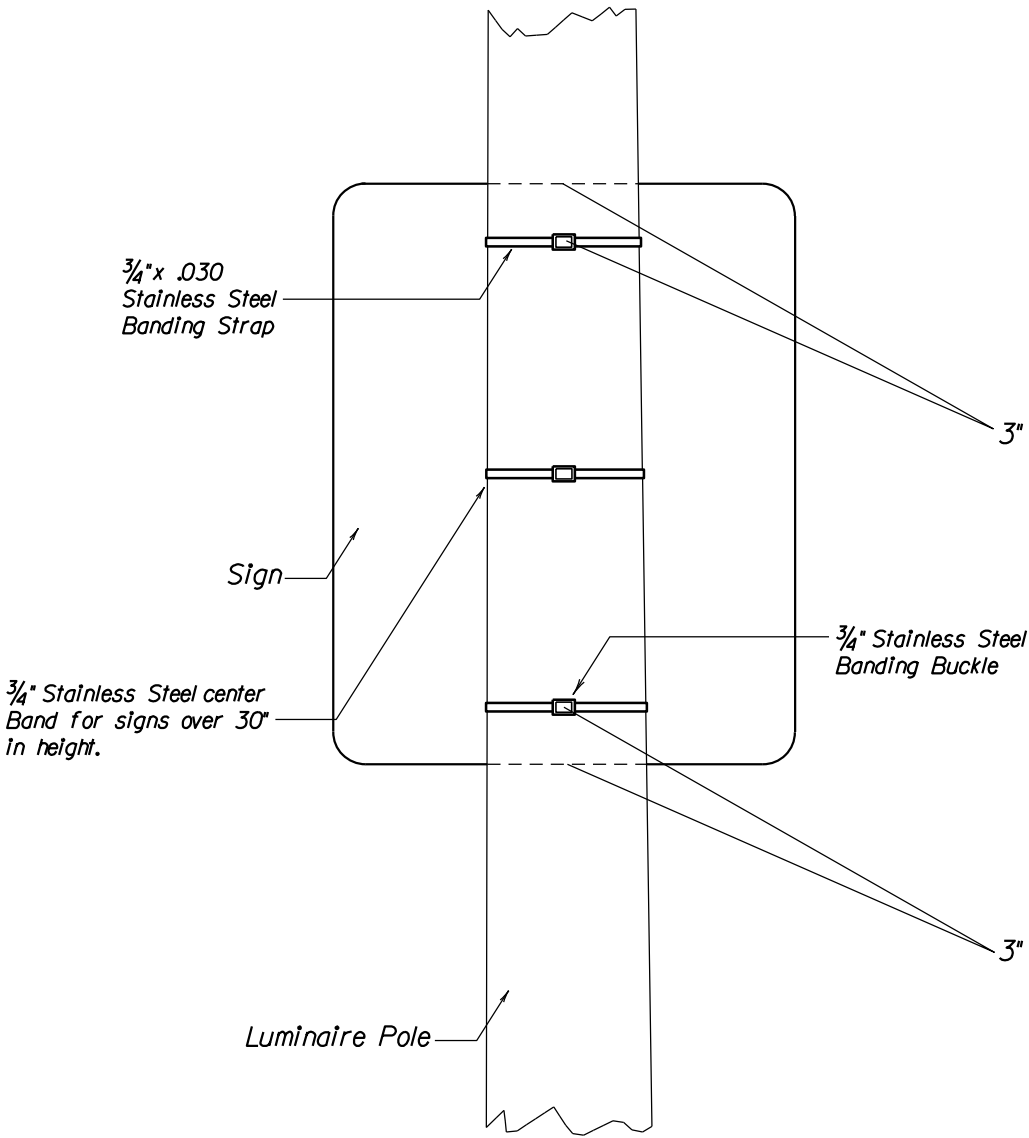
SIGN BANDING TO LUMINAIRE/SIGNAL POLE

Top View

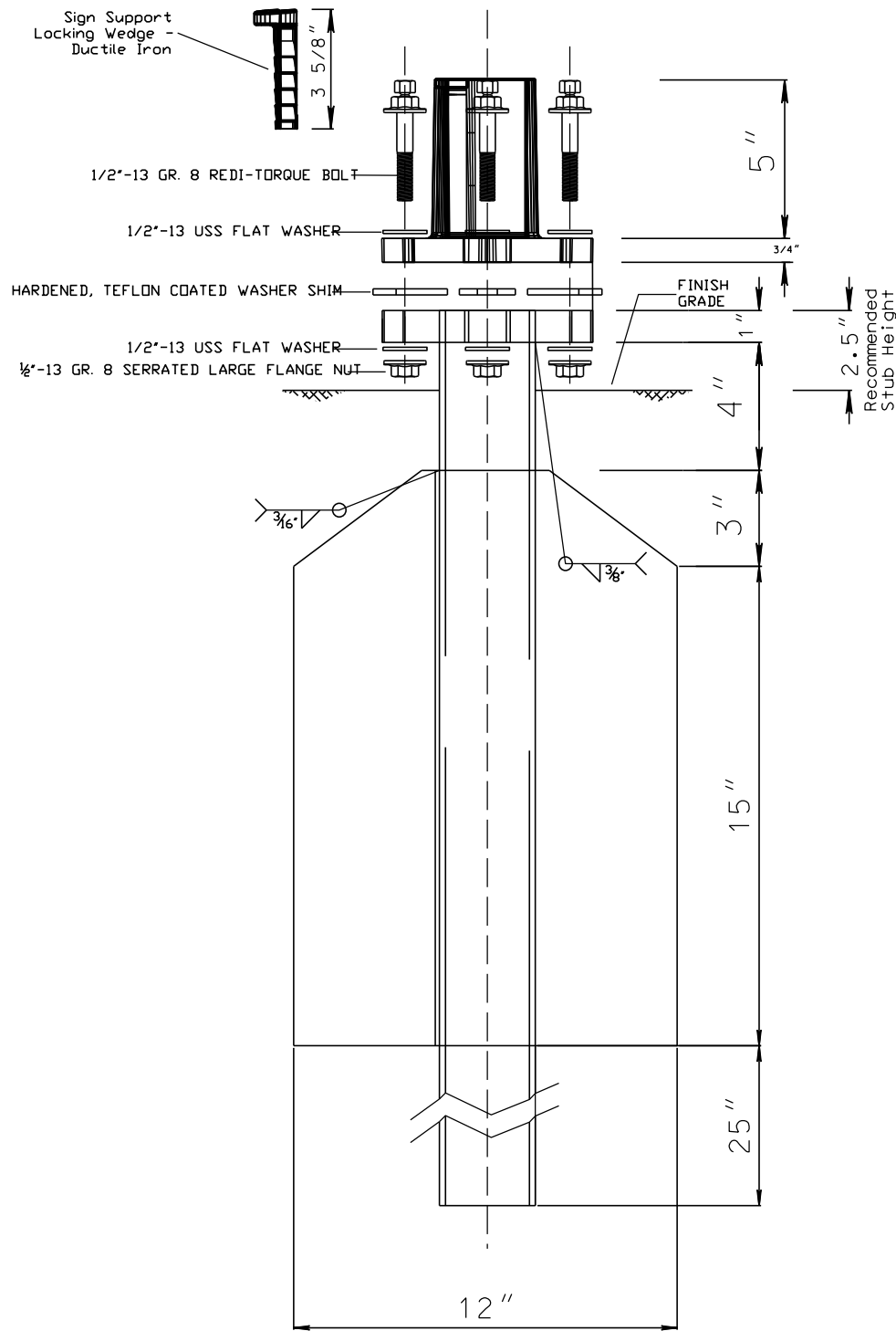


Ø A plastic washer, as recommended by the sheeting manufacture, shall be installed between the sign face and the metal washer shown.

Back View

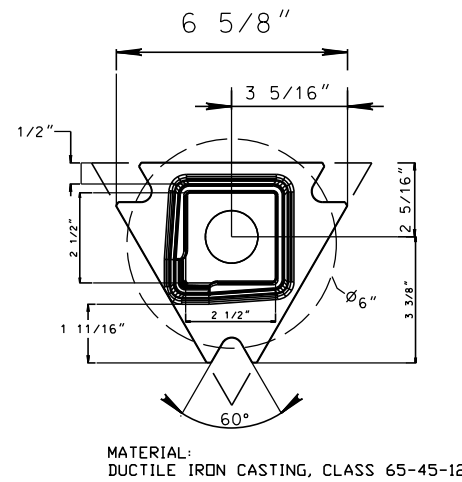


STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	PH 0010(103)	30	32
Plotting Date: 01/20/2016			

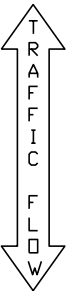
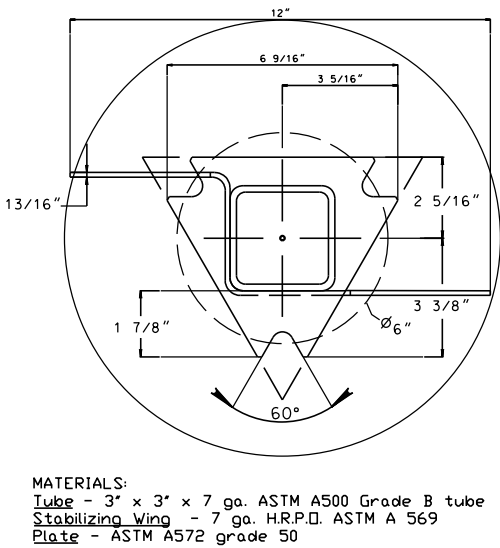


48" WINGED ANCHOR SLIP BASE

TOP POST RECEIVER
for 2-1/2" SQUARE POST



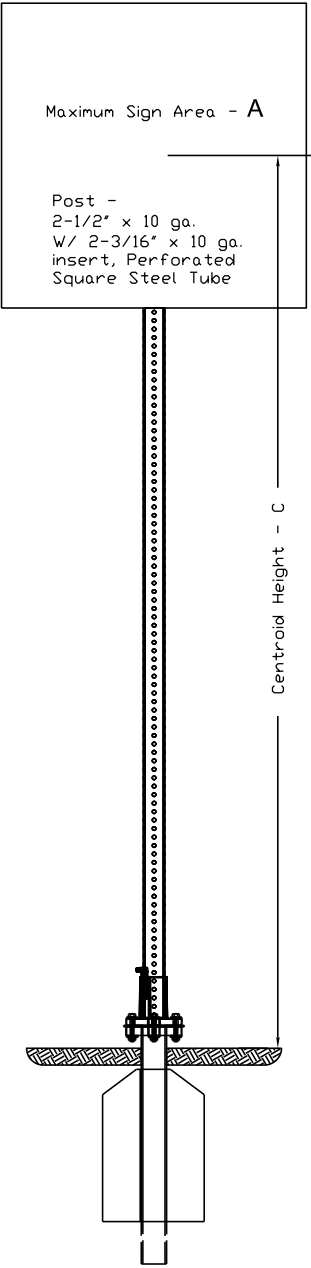
BOTTOM UNIBASE
SOIL STUB



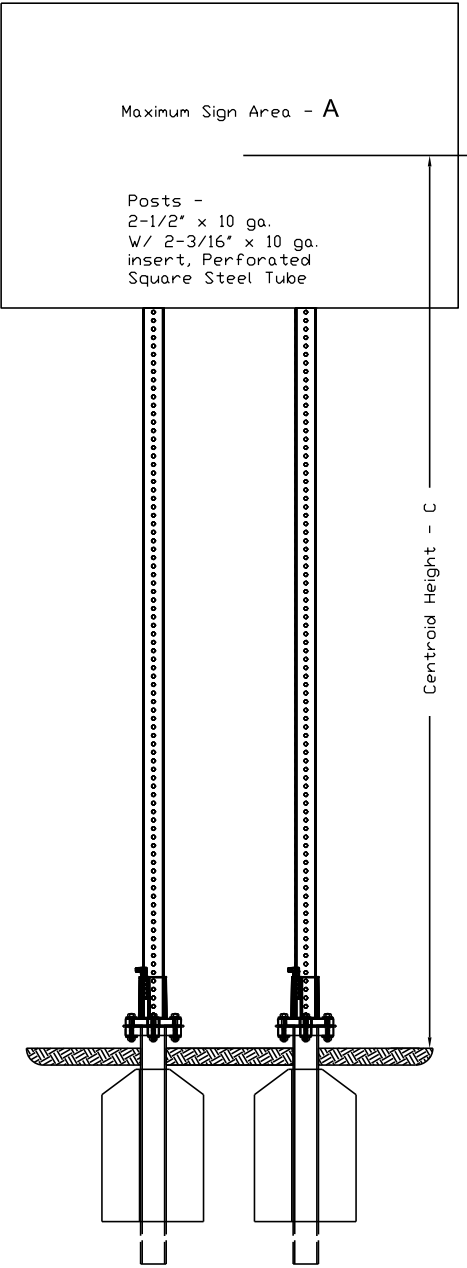
STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	PH 0010(103)	31	32
Plotting Date: 01/20/2016			

48" WINGED SLIP BASE

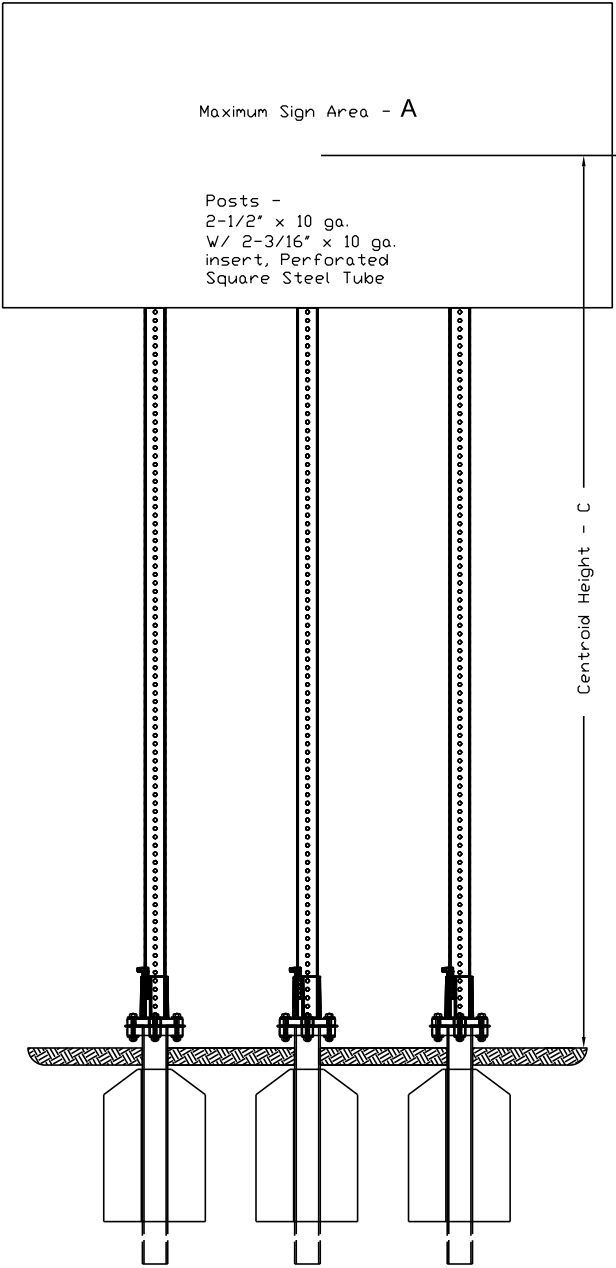
Post and Wind Load Information



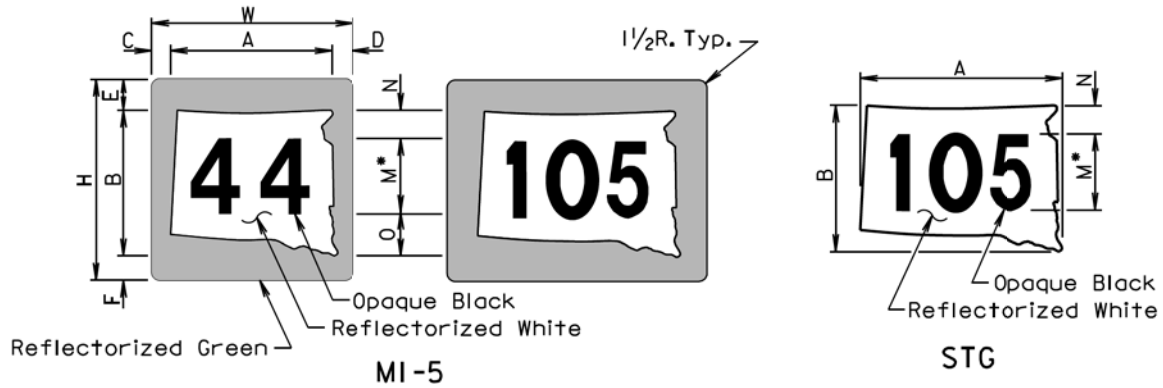
centroid - C	Maximum Sign Area - A
8 ft.	42 ft ²
9 ft.	38 ft ²
10 ft.	34 ft ²
11 ft.	30 ft ²
12 ft.	28 ft ²
13 ft.	26 ft ²
14 ft.	24 ft ²
15 ft.	22 ft ²
16 ft.	20 ft ²



centroid - C	Maximum Sign Area - A
8 ft.	84 ft ²
9 ft.	76 ft ²
10 ft.	68 ft ²
11 ft.	60 ft ²
12 ft.	56 ft ²
13 ft.	52 ft ²
14 ft.	48 ft ²
15 ft.	44 ft ²
16 ft.	40 ft ²



centroid - C	Maximum Sign Area - A
8 ft.	126 ft ²
9 ft.	114 ft ²
10 ft.	102 ft ²
11 ft.	90 ft ²
12 ft.	84 ft ²
13 ft.	78 ft ²
14 ft.	72 ft ²
15 ft.	66 ft ²
16 ft.	60 ft ²

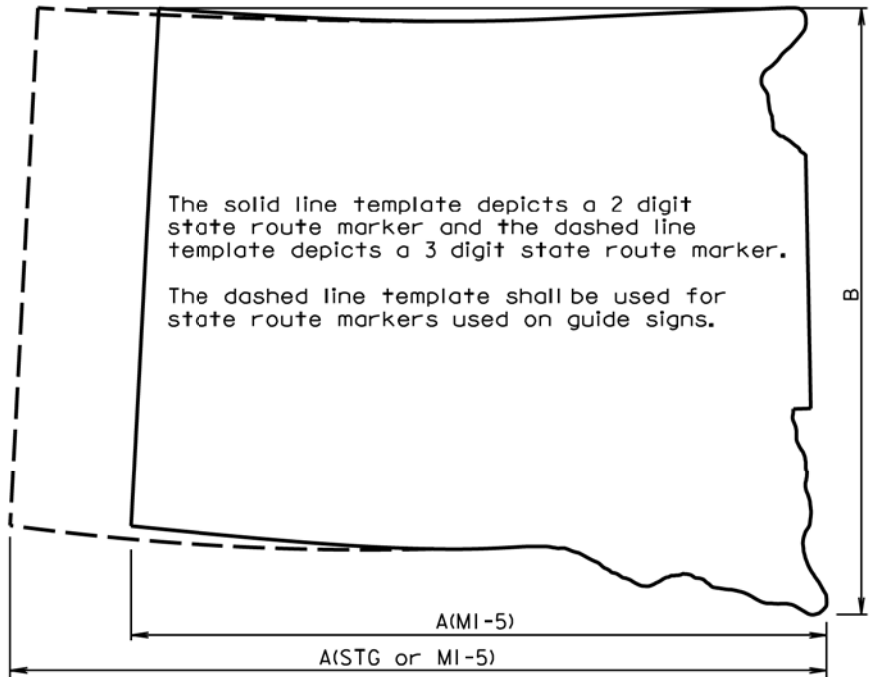


SIGN CODE	WxH	A	B	C	D	E	F	M*	N	O
MI-5	24x24	20 1/2	18	2	1 1/2	3 1/2	2 1/2	12D	2	4
MI-5**	30x24	24	18	2 1/4	1 3/4	3 1/2	2 1/2	12D	2	4
MI-5	30x30	25 5/8	22 1/2	2 1/2	1 7/8	4 3/8	3 1/8	15D	2 1/2	5
MI-5	36x36	30 3/4	27	3	2 1/4	5 1/4	3 3/4	18D	3	6

SIGN CODE	AxB	M*	N
STG-24	24x18	10D	4
STG-32	32x24	12D	4 3/4
STG-48	48x36	18D	7
STG-64	64x48	24D	9 1/2

*In the few cases where there is not enough space for the numerals, the standard "D" series font may be replaced with "C" series font if approved by the Engineer.

** 3 Digits



TEMPLATE FOR STATE ROUTE MARKER

GENERAL NOTES:

The unit for all dimensions shown is inches.

Numerals shall be "D" series font for all state route markers except as noted above.

December 23, 2003

Published Date: 4th Qtr. 2015

S
D
D
O
T

STATE ROUTE MARKERS

PLATE NUMBER
632.20

Sheet 1 of 1